治平勝算全書

治平勝算全書卷十四

雙峰年羹堯輯

攻城法

用兵之法會國為上破國次之會卒為上破卒次之皆為用謀以降敵必不得已始修車櫓具器械而後成踊土距闉又三月而後已恐傷人之甚也故曰攻城為下然攻亦有道必在乎審彼之強弱量吾之眾寡或攻而不圍或圍而不攻知此之道則能勝矣攻

之者大要攻其所必守与其所必救故城有宜急而取之者有宜緩而尅之者若彼吾勢均外有強援為腹背之患者須急攻之以速其利如吾強彼弱外無寇援力足以制之者當羈縻守之以待其斃是為不以兵攻以計困之令其自毀若城堅兵爭欲留吾師外援且至則表裡受敵拔之未足為利不拔足以挫威若是而將有不勝其忿而蟻附之士卒被傷而城不拔者乃攻之災此所謂不審己之強弱者法曰士

則圍之五則攻之兵少則不可救圍环而攻之離而合之此所為量吾之車寡者也又城有所必攻者有所不攻者攻兵向城必先使諜者求知城中之粮數計人為費粮多而人少則攻而弗圍粮少而人多則圍而勿攻也此所謂或攻或圍也凡欲攻城脩攻具然後原缺十六字其所救謂攻其軍主之所在缺七字守其归路使外交不得相救也圍缺七字則弓矢不及奸偽不通賊出突圍勢缺六字而則四面撓之

使敵不知所備此兵謀也缺四字不杀老幼婦女不焚廬舍不汚井灶不毀神祠佛像恐怒敵也破城鼓声未絕不許散俘虜散俘虜須限以時其時擊鼓三通軍人便須归營若捉獲婦女者三日外不許留置在營此軍礼也得賊城堡非有要害可恃者不分兵鎮守得賊城近吾境者則固守以積粮儲薪芻守備之物此所以免轉輸之劳也今採歷代攻城之器可施設者畫形于左以備用

攻城畧

一用尖頭木驢虎頭車宜抵城下用鴉觜钁鑿土開作一穴令自崩摧

一用三脚云梯上城則擂木不能害

一用火砲打敵樓撞車冲門破栅

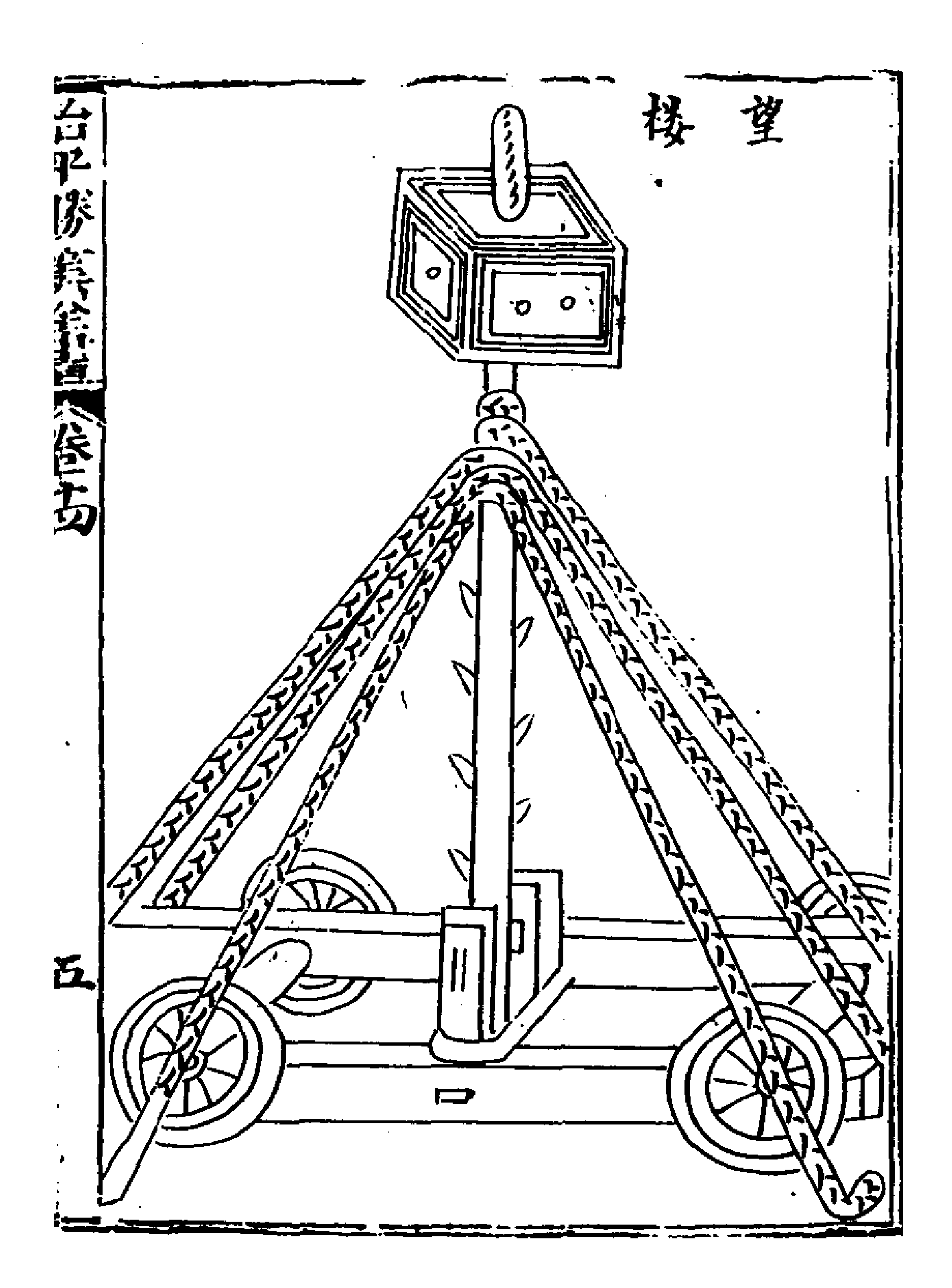
一用火炮火箭火禽燒城中積聚

一將軍分兵作番次令晝夜金石鼓譟攻之三晝夜令彼不得眠而人自困之吾亦詐作困倦住攻于中

夜月黑時使矯健勇士上城偷門斫關引大兵入城
一于中夜用勁弓射箭入城箭上係方開喋許之重
賞如士卒收得亦可遞誘相應或知魁賊所用腹心
謀主及左右輔佐有才能之人可于箭上貼寫文字
相約亦可反間
一常于要害處設奇伏防外援如无則不必
一鑿城作孔夜使壯士入城斫関偷門乱焼積叙
一用鵝車洞子進土填壕作距湮土山於洞子內使

人分作左右兩行一行轉土入濠填城下一行轉空
器洞子別使壯士聚土轉入不可使人往來搬運出
入不便有距堙可望都採斫木植用木袋盛土堆積
上城廣積柴薪城边堆高濶為妙其同于土多設泥
漿桶麻搭防備猛

望樓



右凡望樓與城中望樓為一制具城門守所以下望城中

事攻城欲利推徙故以車載其制以堅木為車坐井

榦長一丈五尺下施四輪〻高三尺五寸上建望竿

凡建竿皆用麼頗木長四十五尺上徑八寸下徑一尺二寸如之

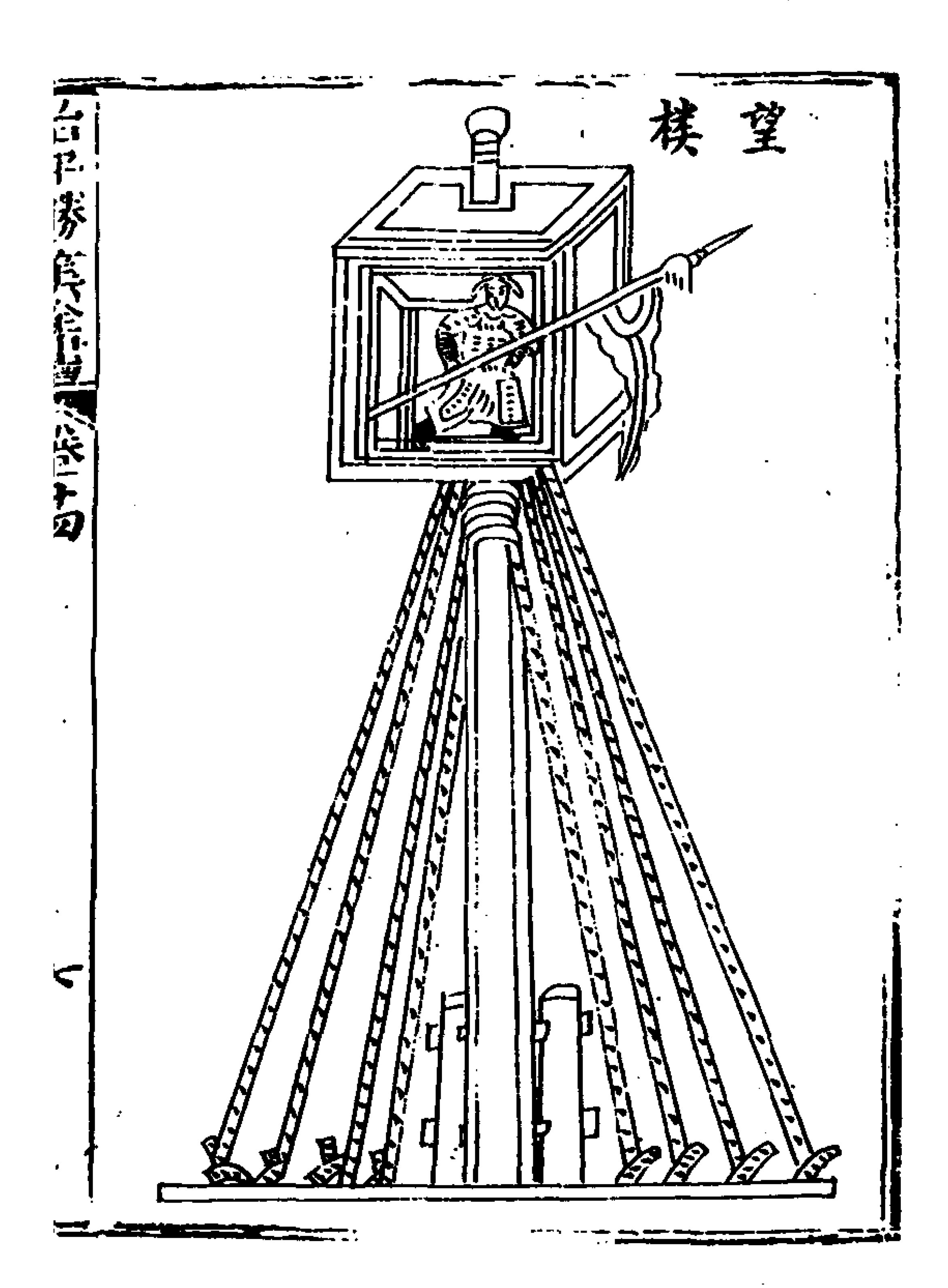
長木亦可接用上安望樓竿下施轉軸旁施义手木繫麻繩

三棚上綳二條各長七十尺中綳二條各長五十尺

下綳二條各長四十尺帶環橛十條〻皆下銳比立

竿如舟上建檣法釘橛擊繩六百維之令固余制及

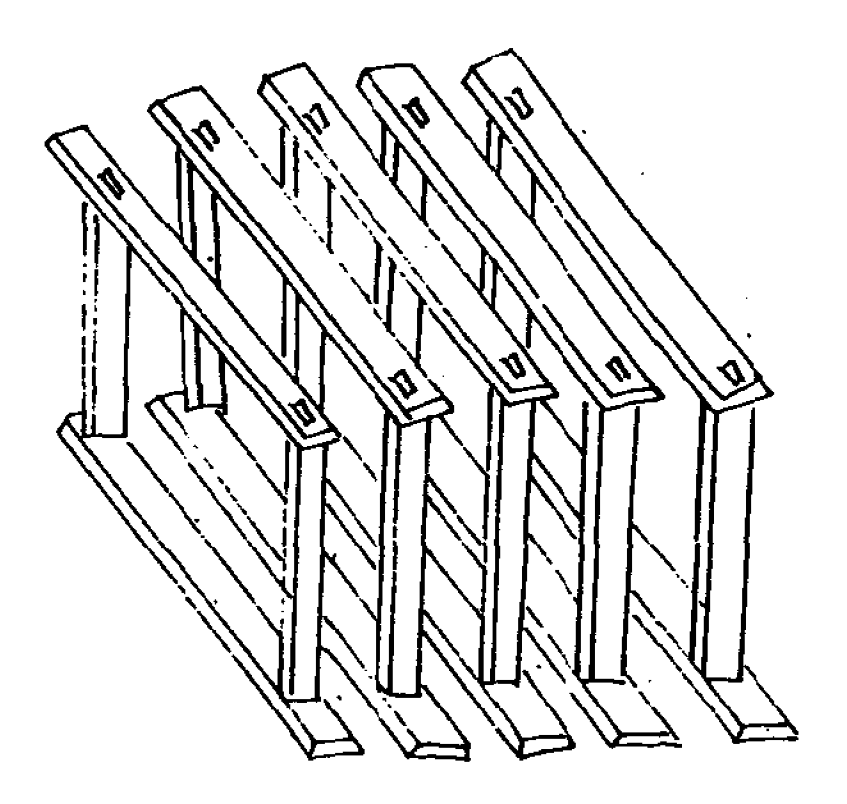
候望法皆約城中


望楼

右望樓高八丈以堅木為竿（木不及八丈則三兩接亦可）上施版屋上闊五尺上下開竅過人竿兩旁釘尋峰八十丁用索三綳上綳四條各百二十尺中綳四條各百尺下綳四條各八十尺尖鐵橛十二丁各長三尺橛端穿鐵環凡起樓用鹿類木二各長一丈五尺深埋之出地八尺用鐵叉層竿數條（更用木馬及巴木堅之）如船上建檣法其高亦有百尺百二十尺者綳索隨而增之版望中置望子一人手執白旂以候望敵人無魁常捲

寇未閙之旂桿平則寇近垂則至矣寇退徐牽之寇去復捲之此軍中豫備之道也

地道



右地道約高七尺五寸廣八尺凡攻城者使頭車抵城址城為地道每闊至尺餘便施橫地栿立排沙柱架罨棵防城土下摧鑿之漸深則隨益設之運木皆自頭車結棚內外來攻穴城欲透量留三五尺積薪於內縱火焚之柱折則城摧

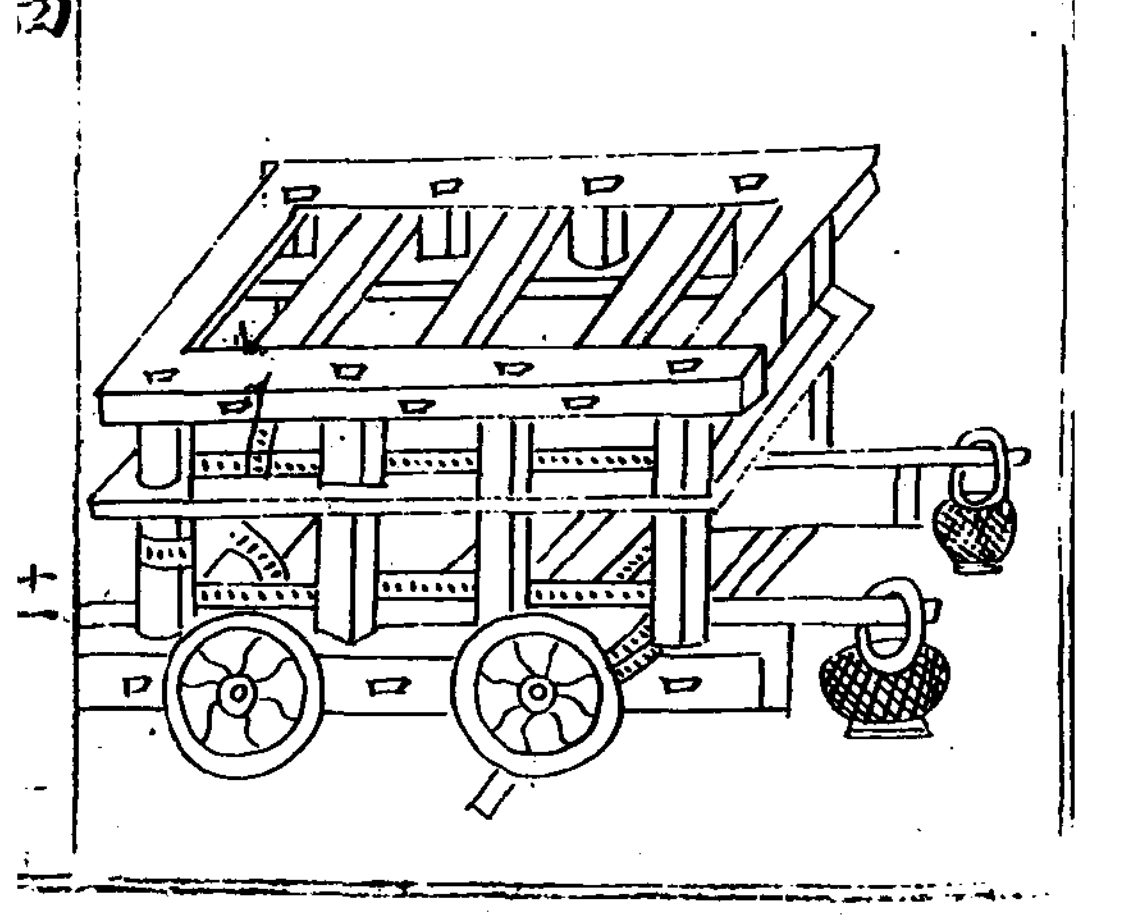
鋒刃钁　　鴉觜钁

鏵鍬　　方鍬

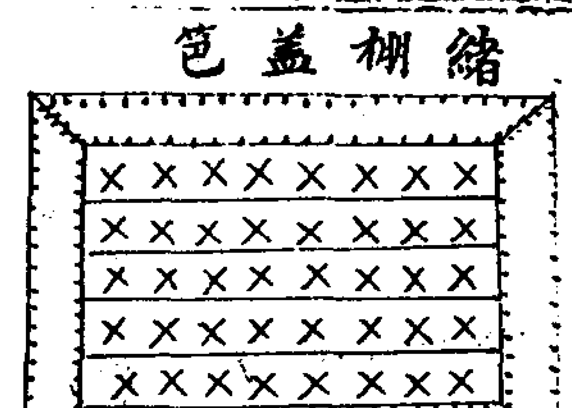
鉄钁　　剗子

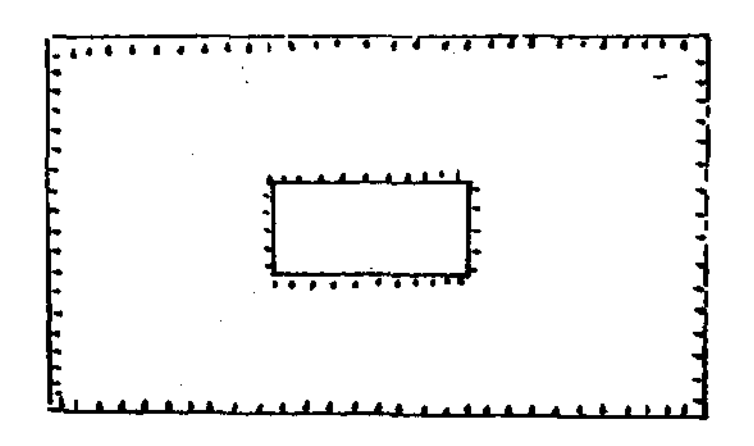
右地道內搬土用之並設人常用故不圖形

不排搭緒棚

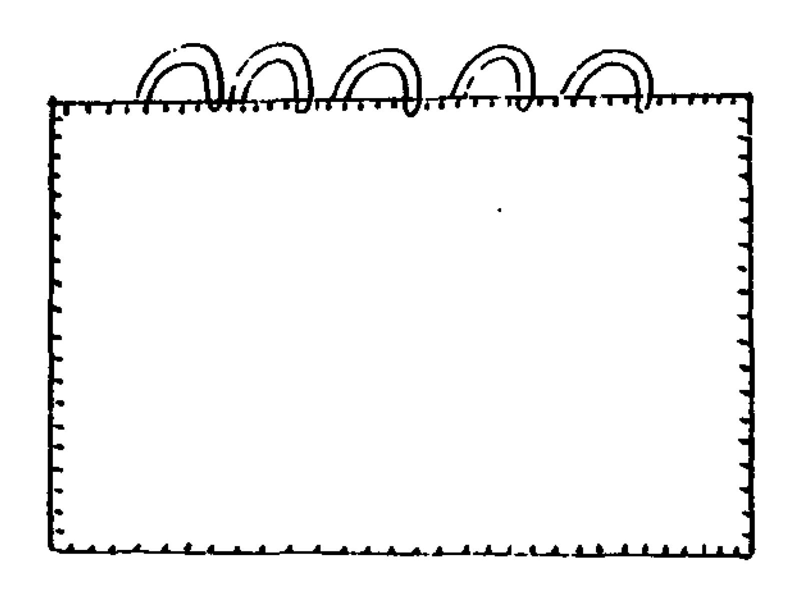


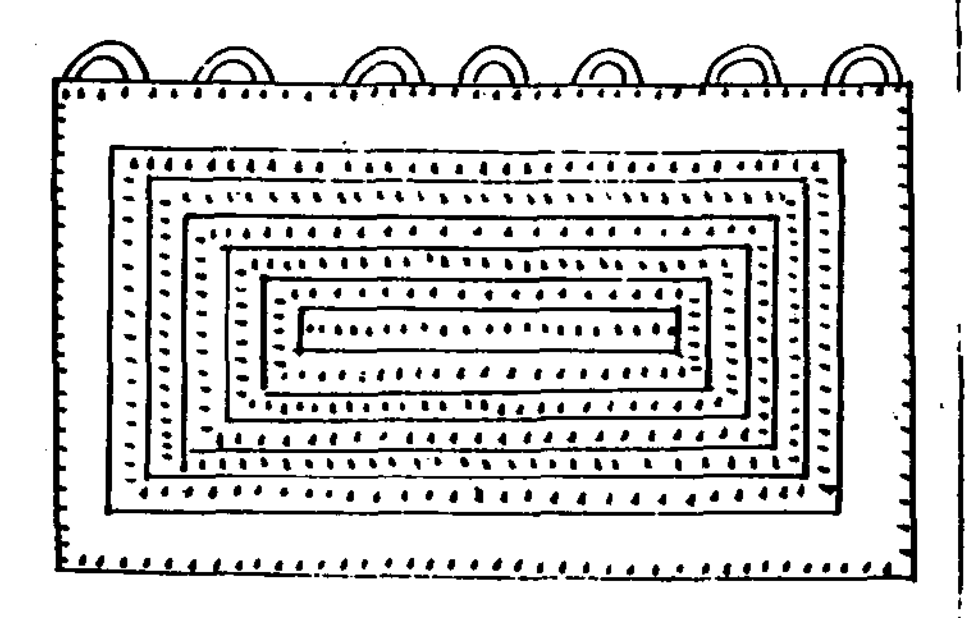
緒棚蓋笆





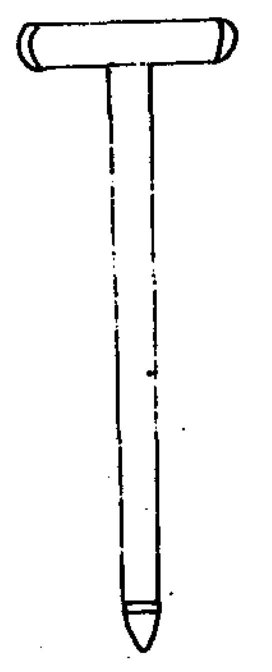
綪棚两边垂笆



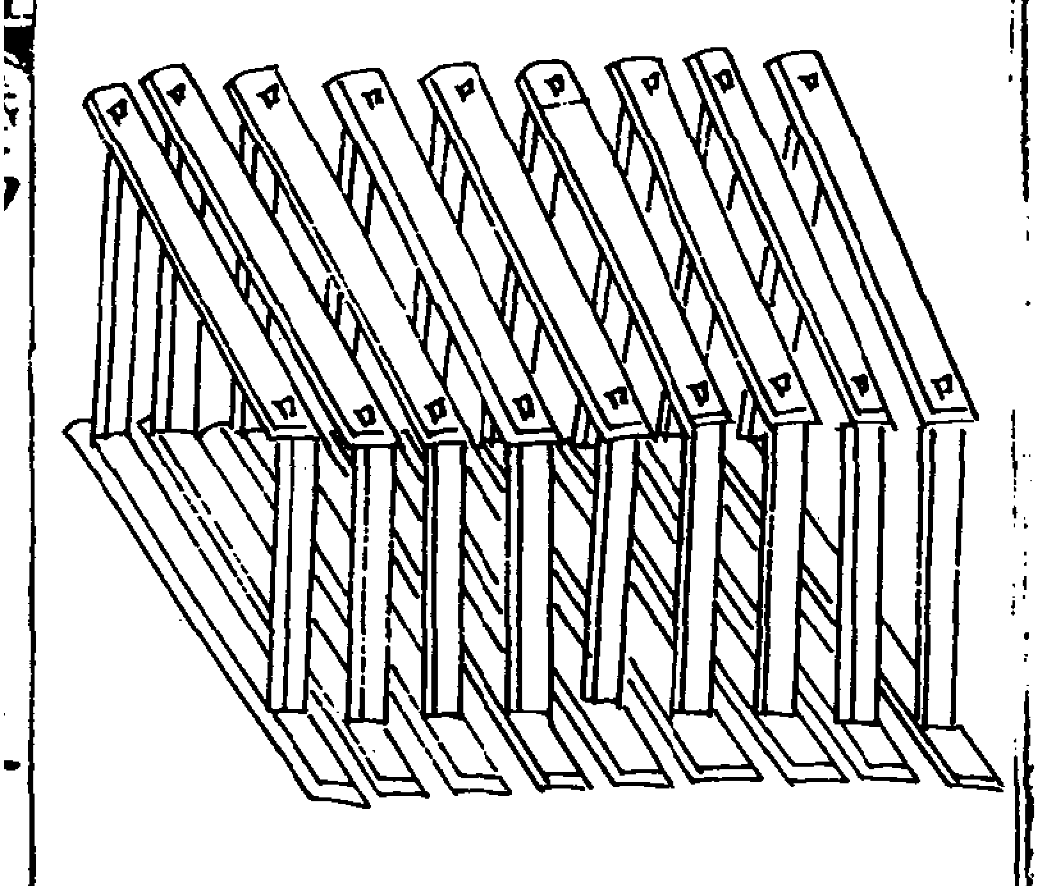


雁翅笆

撐雁翅笆拐



不排緒搭



排塔絡棚

内條排

沙柱

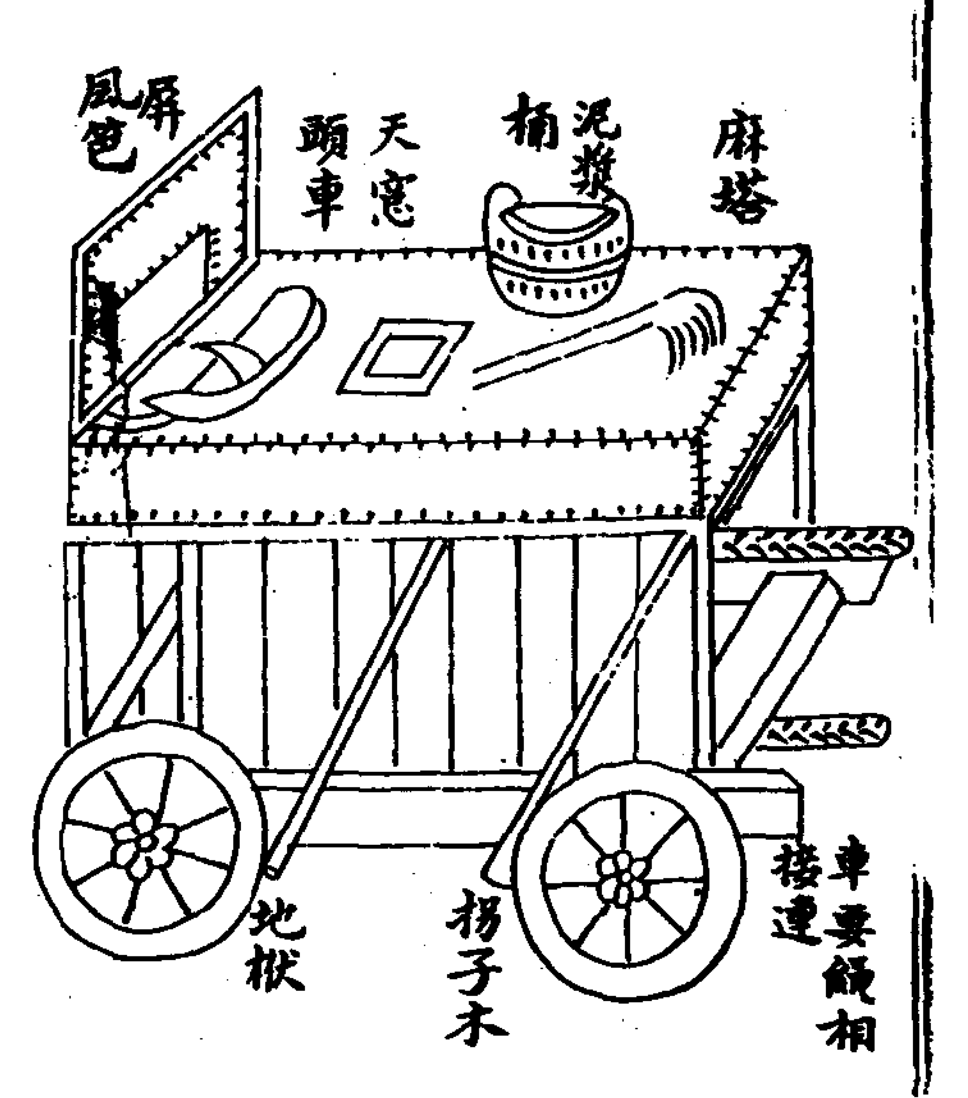
絡棚

戎車

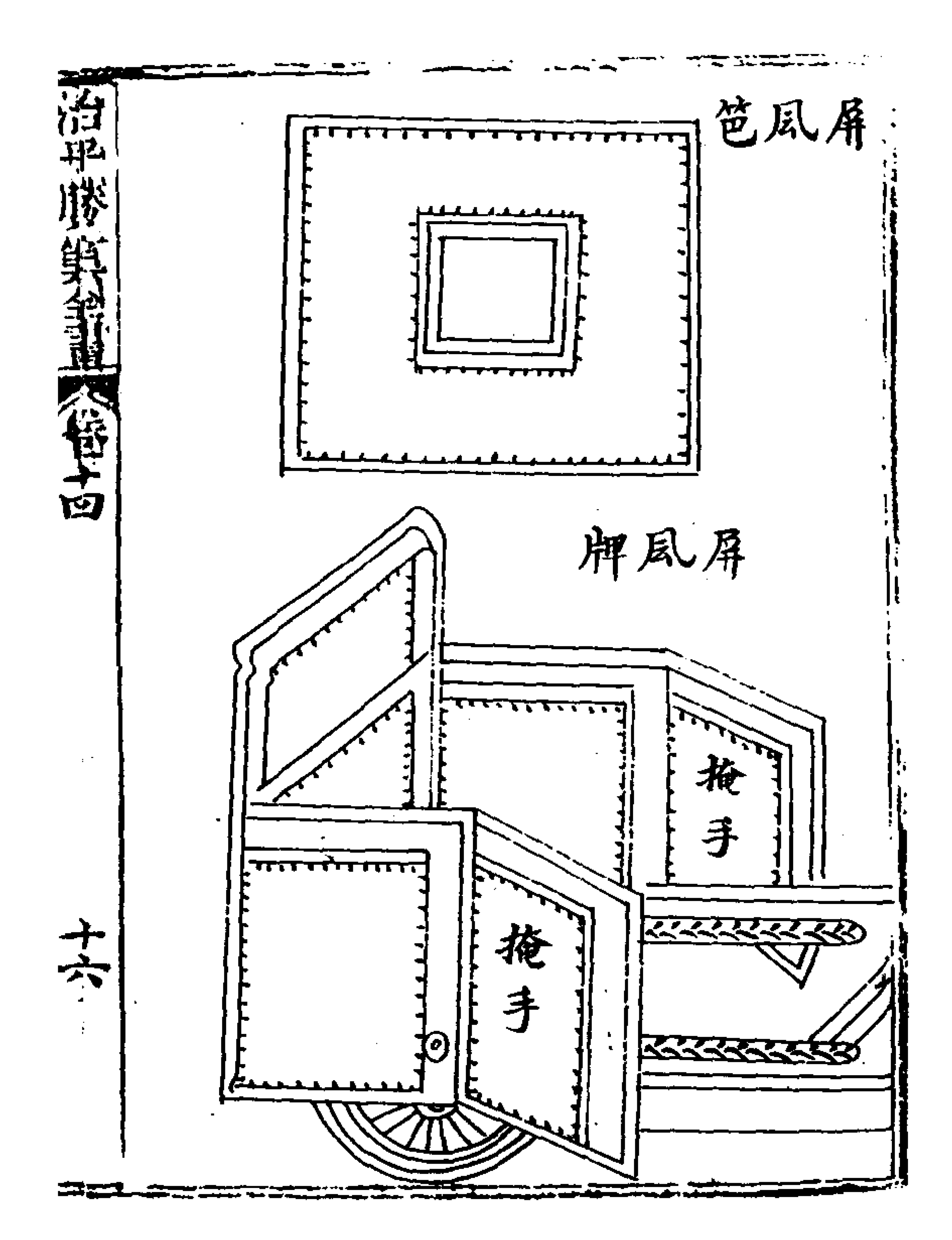
蓋笆

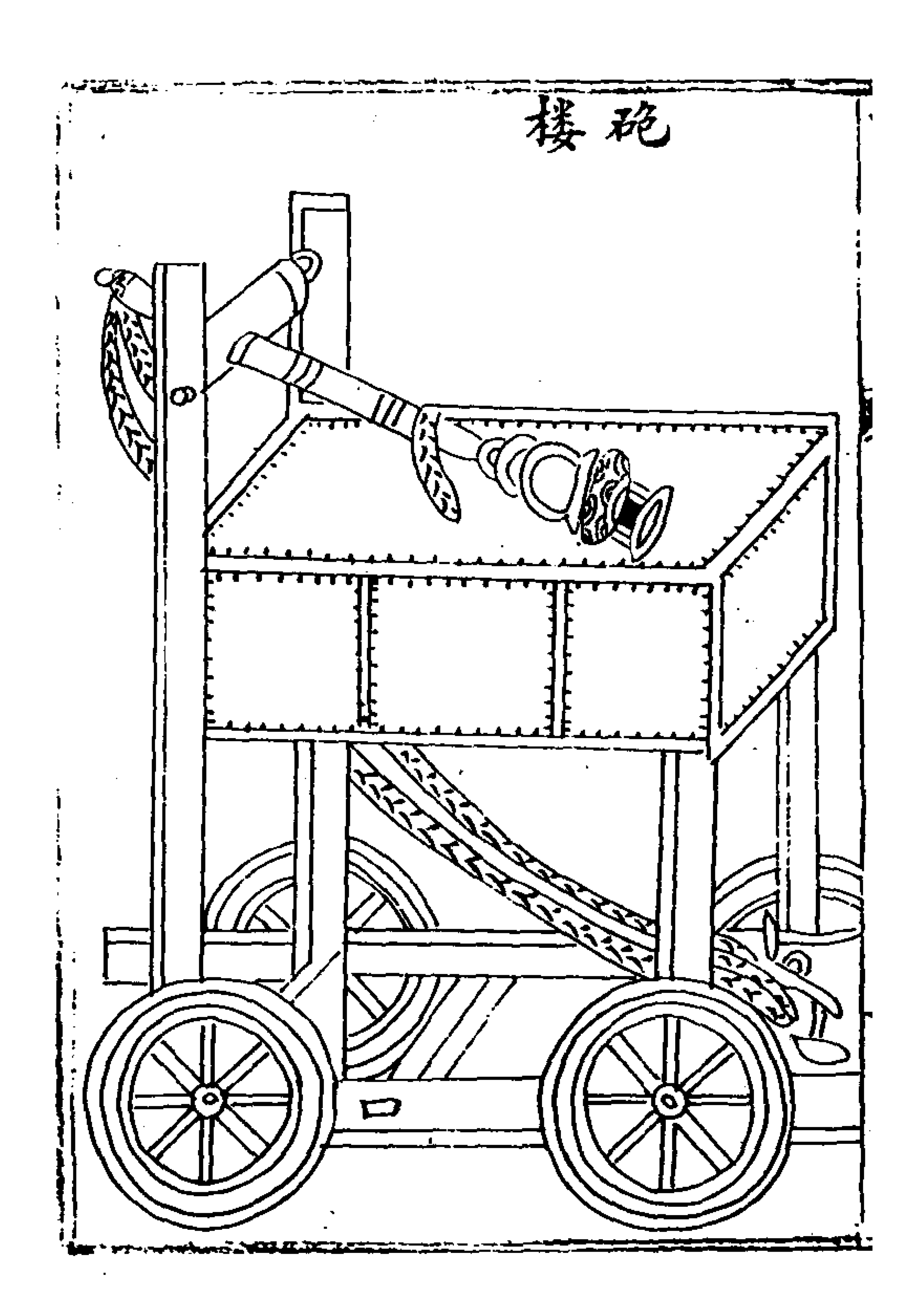
垂笆

掛塔緒相援車



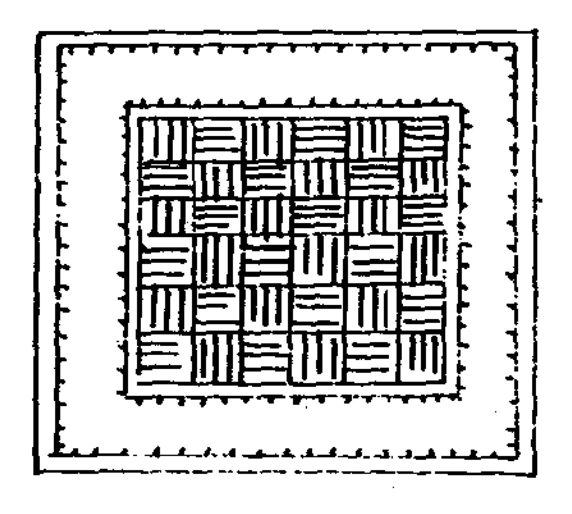
右緒棚接緒頭車架木爲棚故曰緒棚其高下如頭車棚上及兩旁皆設皮笆以禦矢口若頭車進則益設之與車相連隨其遠近若敵人以火焚車及棚則設泥漿麻塔渾脫水袋以救之


屏風笆
屏風牌
掩手
掩手

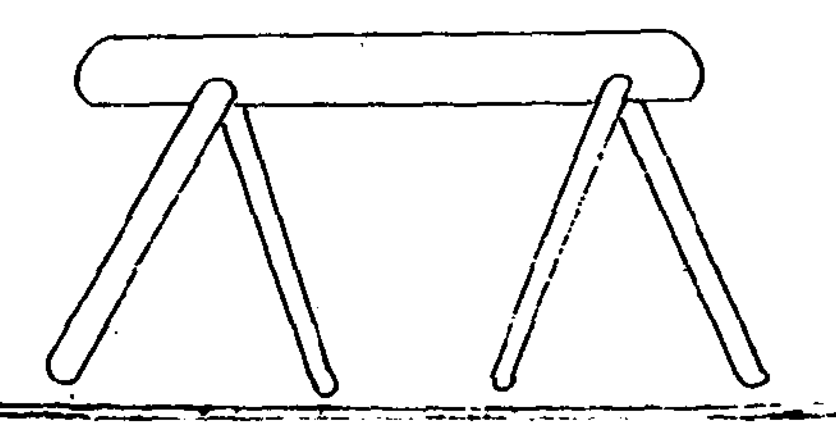


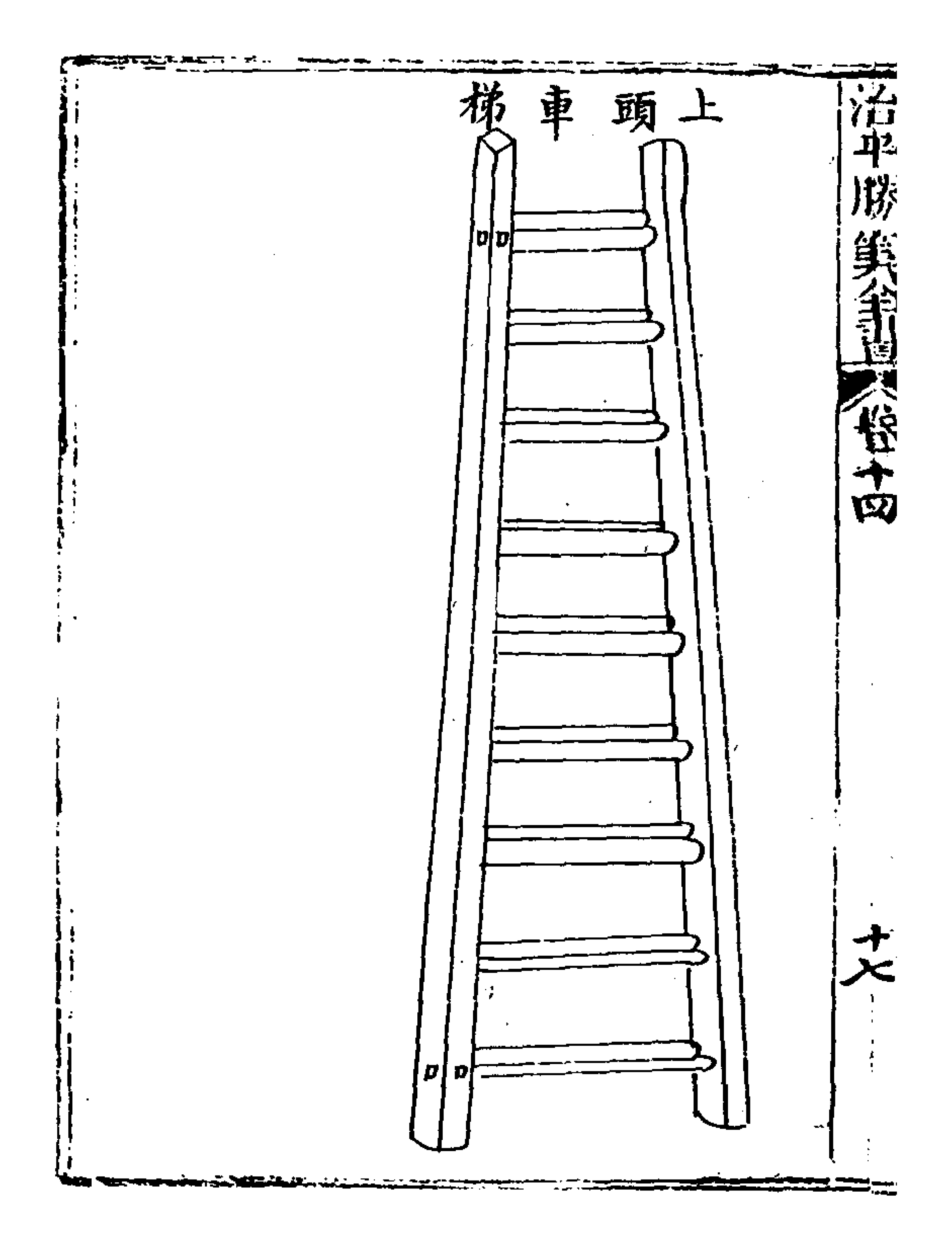
砲楼

屏風笆 又名編皮笆



木馬子

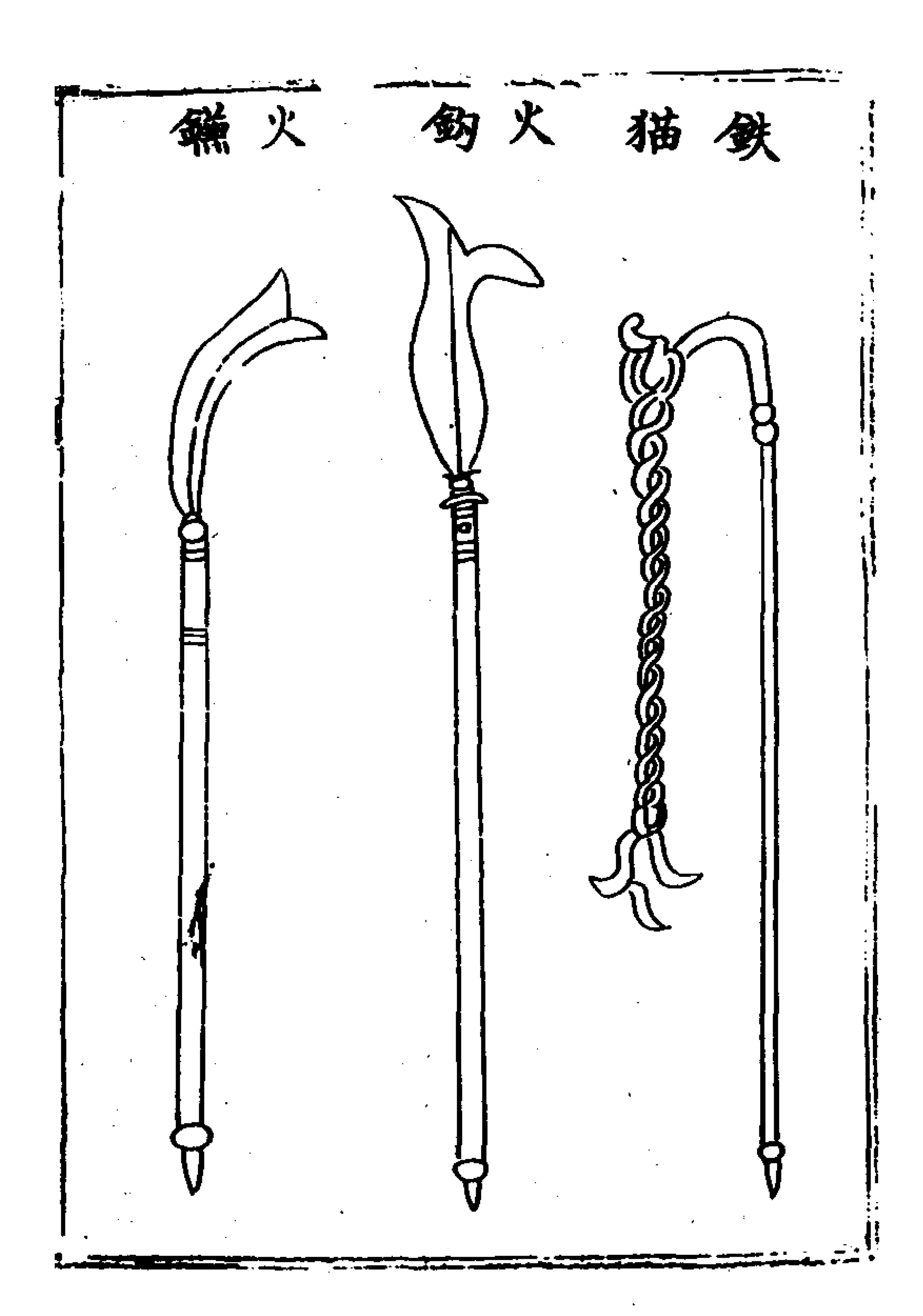



上頭車梯

右頭車攻城器也身長一丈六尺濶七尺前高七尺後高八尺以兩巨木為栿前後地梯枕各一前枕木要壯大上植四柱頭設涎衣梁上鋪散子木為蓋中留方竅廣三尺容人上下蓋上鋪皮笆一重（皮笆以竹片編以生牛皮漫）笆上鋪穰藁厚尺餘穰藁上又施皮笆所以禦砲石也車三面皆設約竿（如今生擋上欄干）頭牌木每牌長九尺濶五寸厚六寸首有小竅以皮繩繫着車蓋垂在約竿外木无定數但取遮密三面牌外又垂皮

笆亦以禦砲方竅下置梯以升蓋上前施屏風笆一笆中開前窓倚以木馬令人于笆内射外凡攻城暨地道以車蔽人先于百步内以矢繫当面面守城人使不能立乃自壕外進車用人木一条各長一丈八尺謂之揭枕首押前枕下稍壓後枕出以土囊壓竿稍全揭車首昂起車每進使諸緒棚續居後遇壕則運土雜芻藁填之運者皆自車中緒棚以下往來矢石不能及又以千斤大麻絕繫車前梜引而後出以

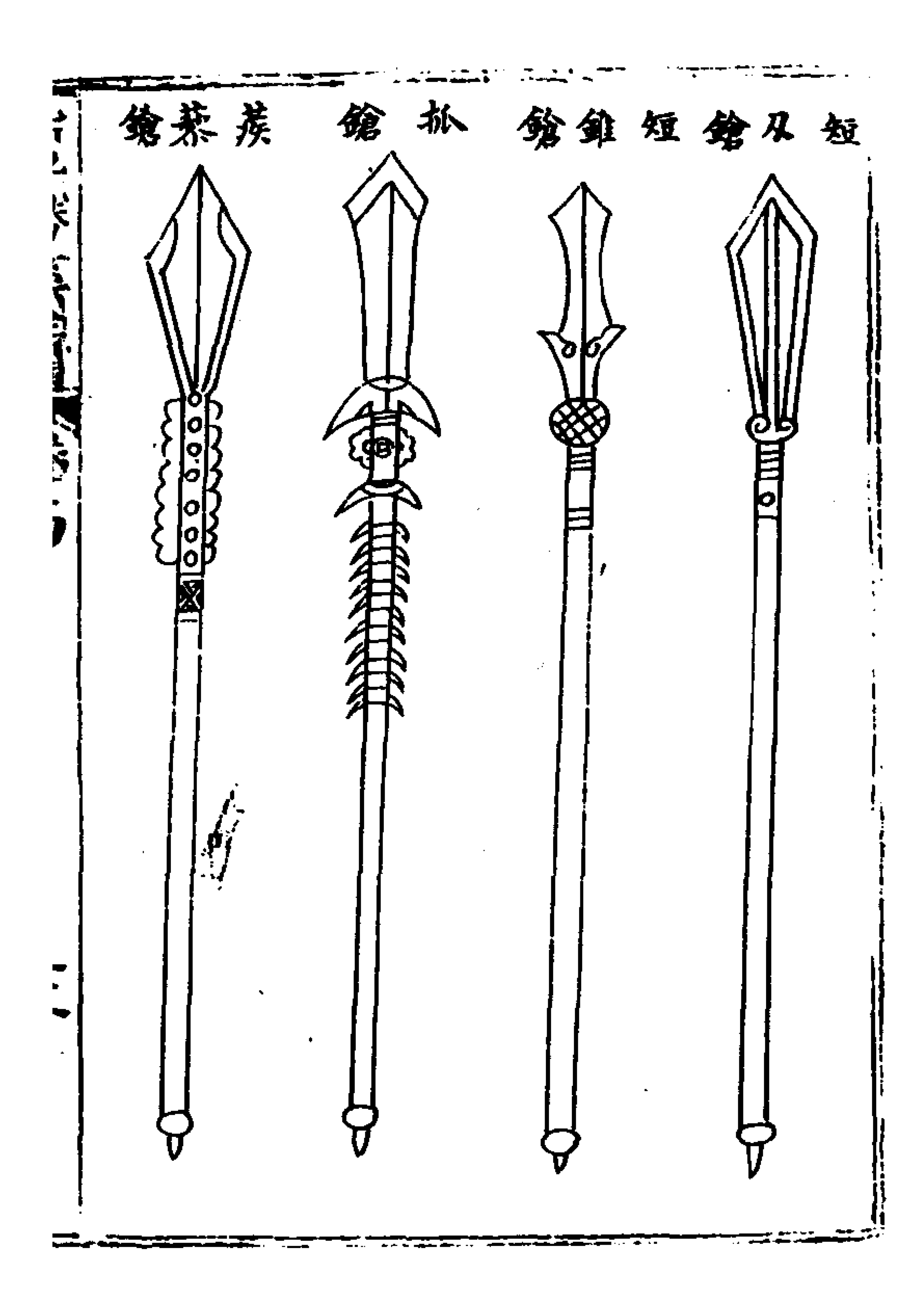
絞車自後急絞以助竿力令車首常去地尺餘兩面約竿脚木下分用三十人推挽枕下又以木撅鉄挺斡跳使進抵城下頭車舊本無輪又無頭脚今添入兩旁十輪及前面屏風脚并兩掩手廢可遷用

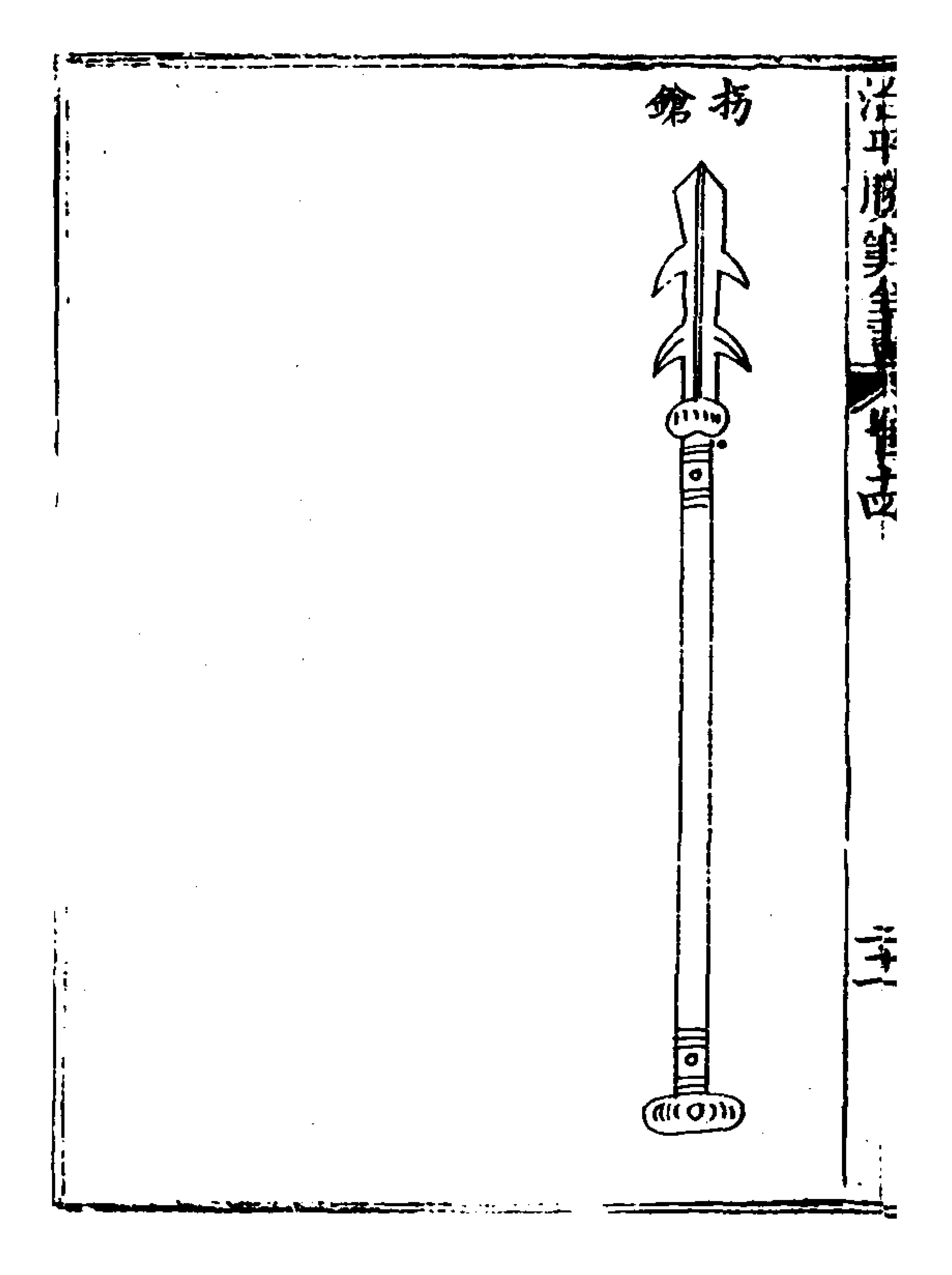


鉄猫
火鈎
火鐮

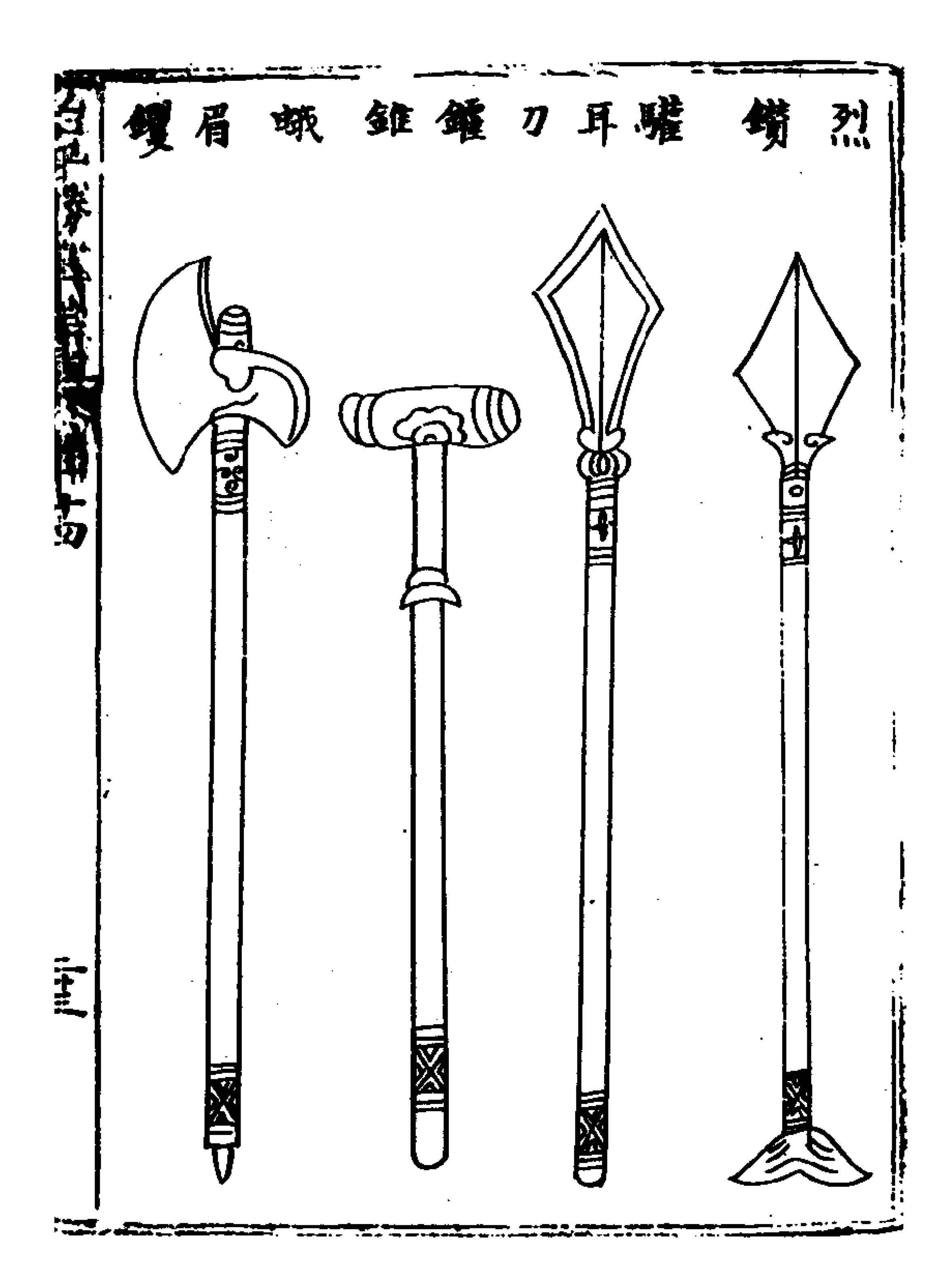
火义

右鉄猫以鉄索繫三鬚　火鈎以褭鈎刀為刃　火鐮以鈎刀為刃　火义以鉄為兩岐凡攻城將透積薪草松明杋杋音訊於地道中加以膏油縱火焚城續之令不滅則施四物以偹用烧之三日其城自摧

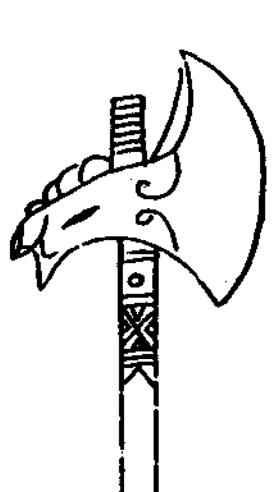

短及鎗
短錐鎗
抓鎗
蒺藜鎗


枴鎗

右短刃鎗并袴長二尺捍長六尺　短鎚鎗并袴長一尺二寸捍長六尺　抓鎗刃長一尺五寸刃後有四逆鬚捍長六尺前二尺施鉄刺如雞距　蒺蔾鎗刃并袴長一尺三寸捍長六尺前二尺施鉄蒺蔾皆頭車絡柵中所用戰器　拐鎗刃連袴長二尺五寸捍長四尺有拐攻城將透敵來迎我則与前四鎗可通用捍敵

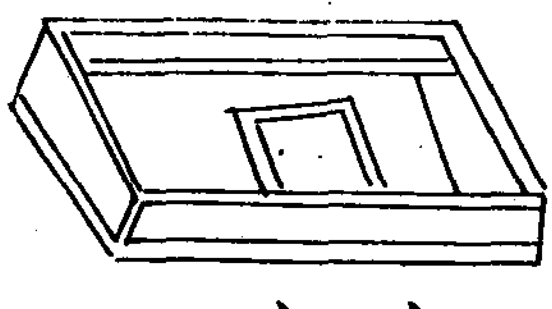

烈鑽
驢耳刀
鍾錐
峨眉鑁

鳳頭斧

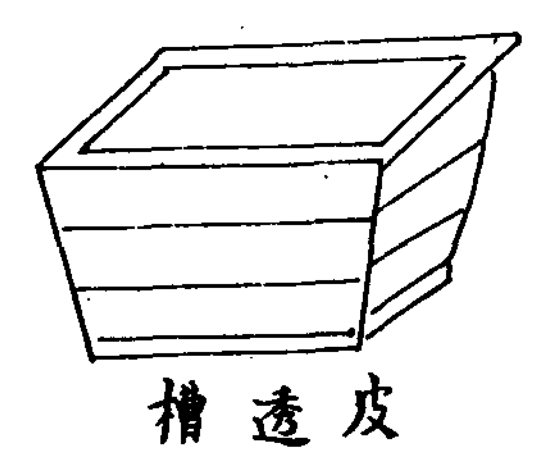


右烈鑽刃連袴長一尺五寸上銳下方濶八寸柄長三尺有拐　騅耳刀刃連袴長一尺上銳下狹柄長三尺凡穴城先用刀鑽土后用鍬鏟　鑼錐刃連袴長二尺柄長二尺五寸穴城深者以錐探透否　蛾眉钁長九寸刃濶五寸柄長三尺　凤頭斧頭長八寸柄長二尺五寸並地道内撅土用之

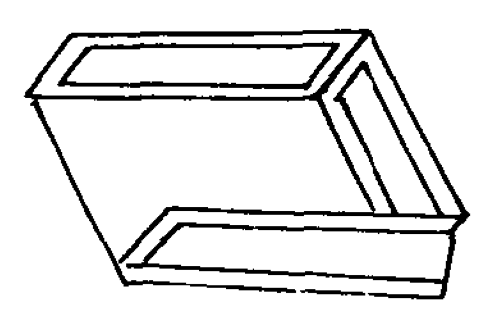
注盤

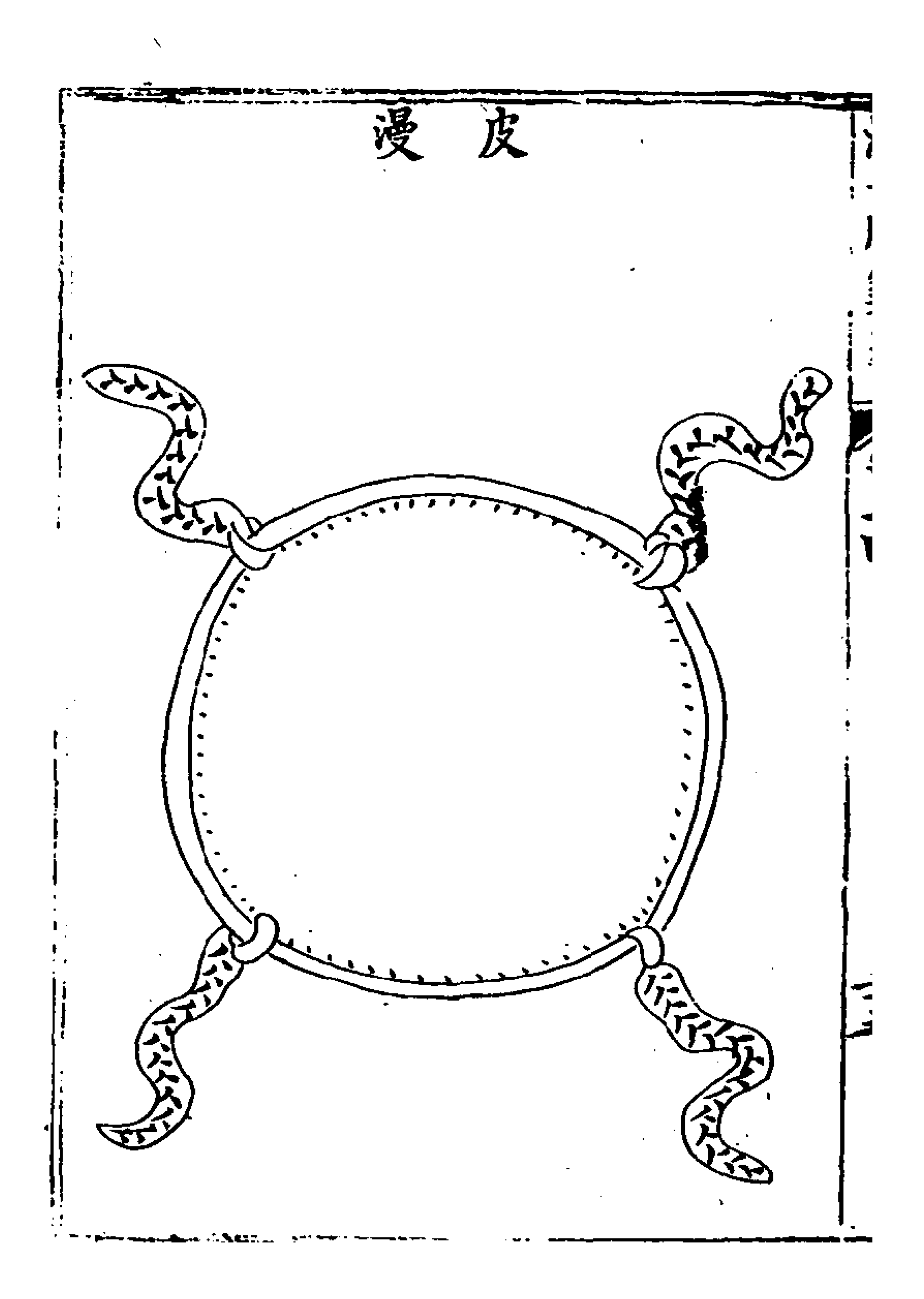


木檻



皮透槽




皮漫

右注盤方四尺深七寸中開一竅

木櫃方四尺深二尺以儲人清具藥

皮透槽長四尺濶三尺以牛皮為之

皮漫方六尺五寸亦生牛皮為之四角各施鐵連環

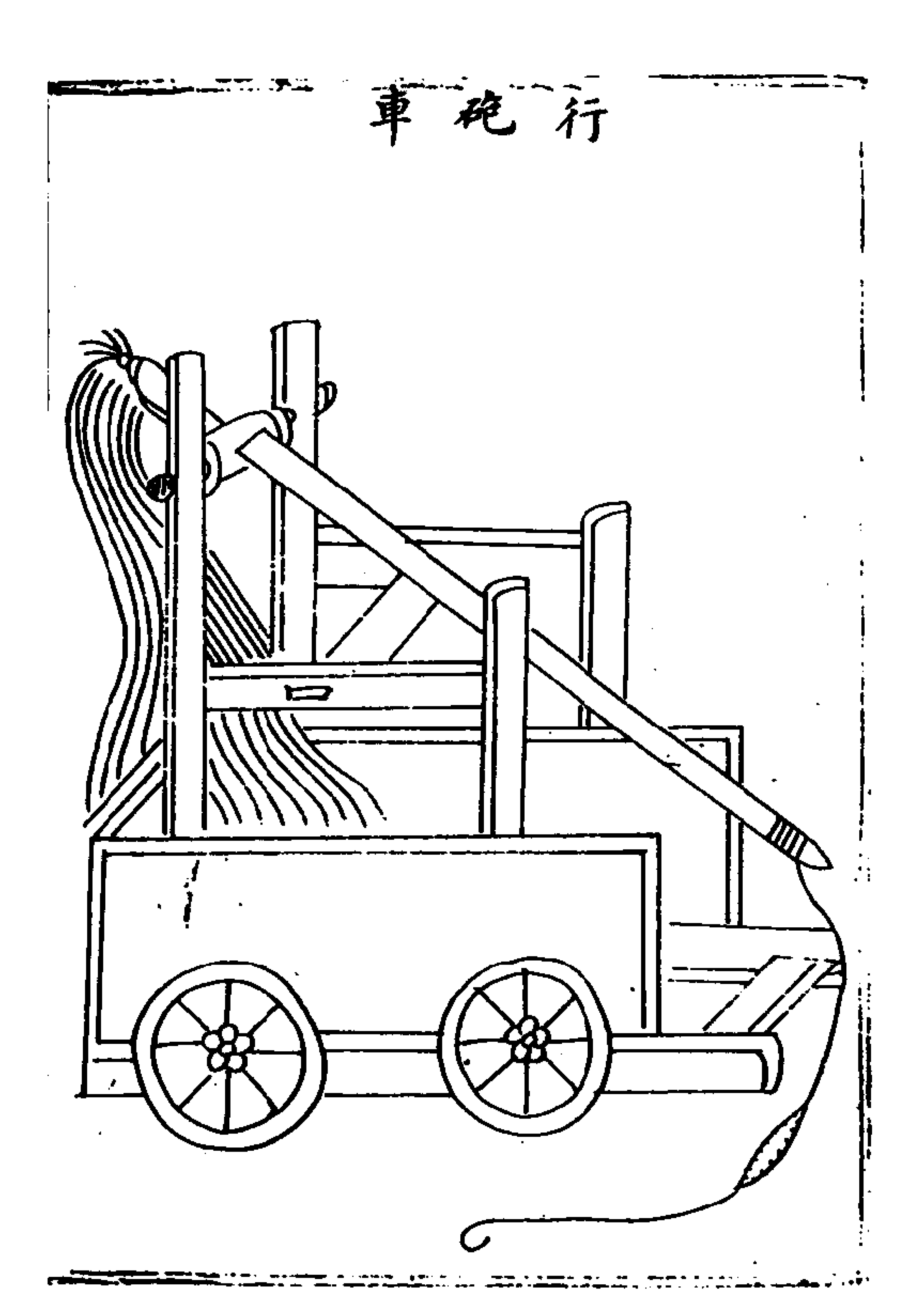
環貫火繩凡攻城為地道敵人反穴地以迎吾之則

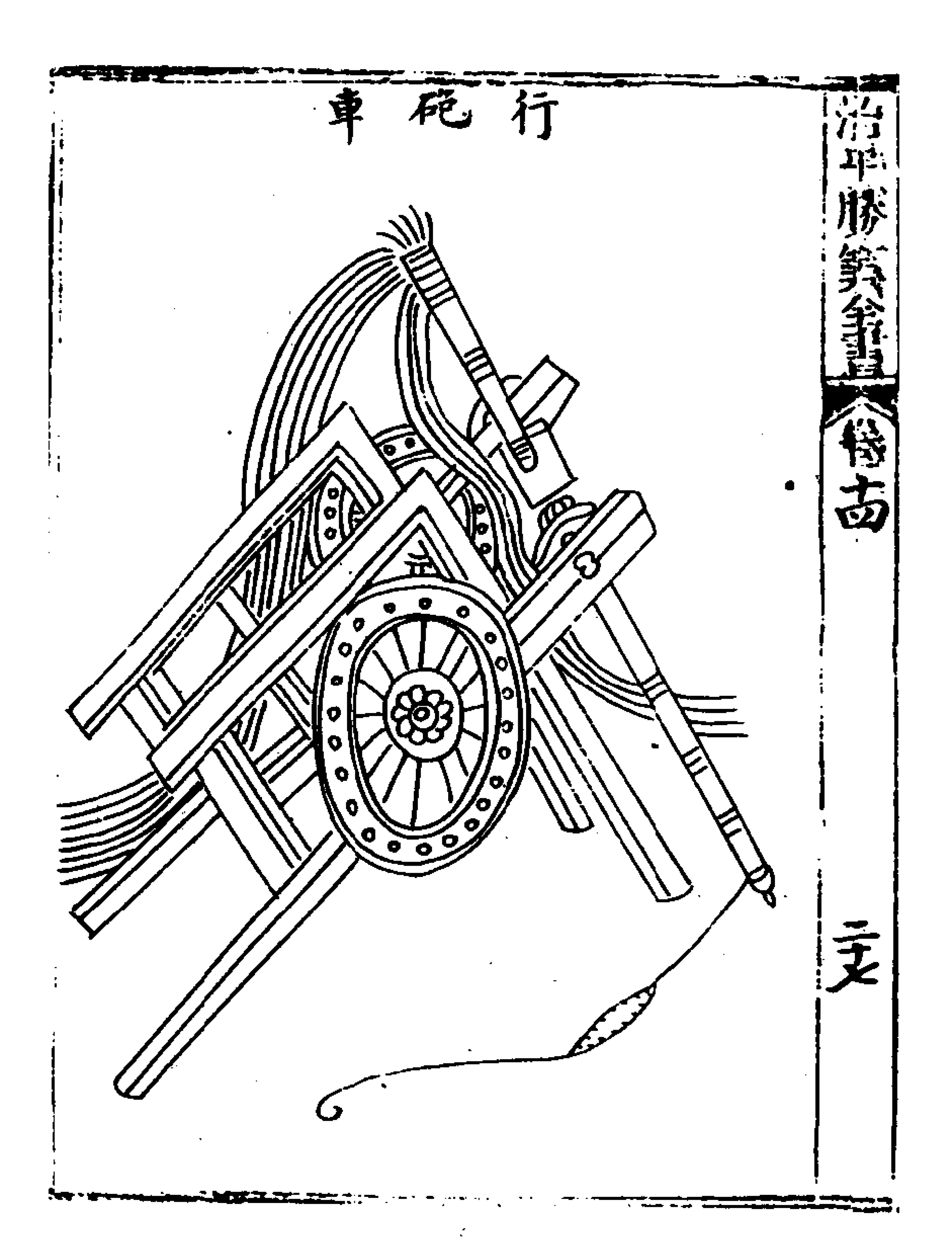
著人清具藥自翻身竄中以注盤透槽下灌敵人鼨

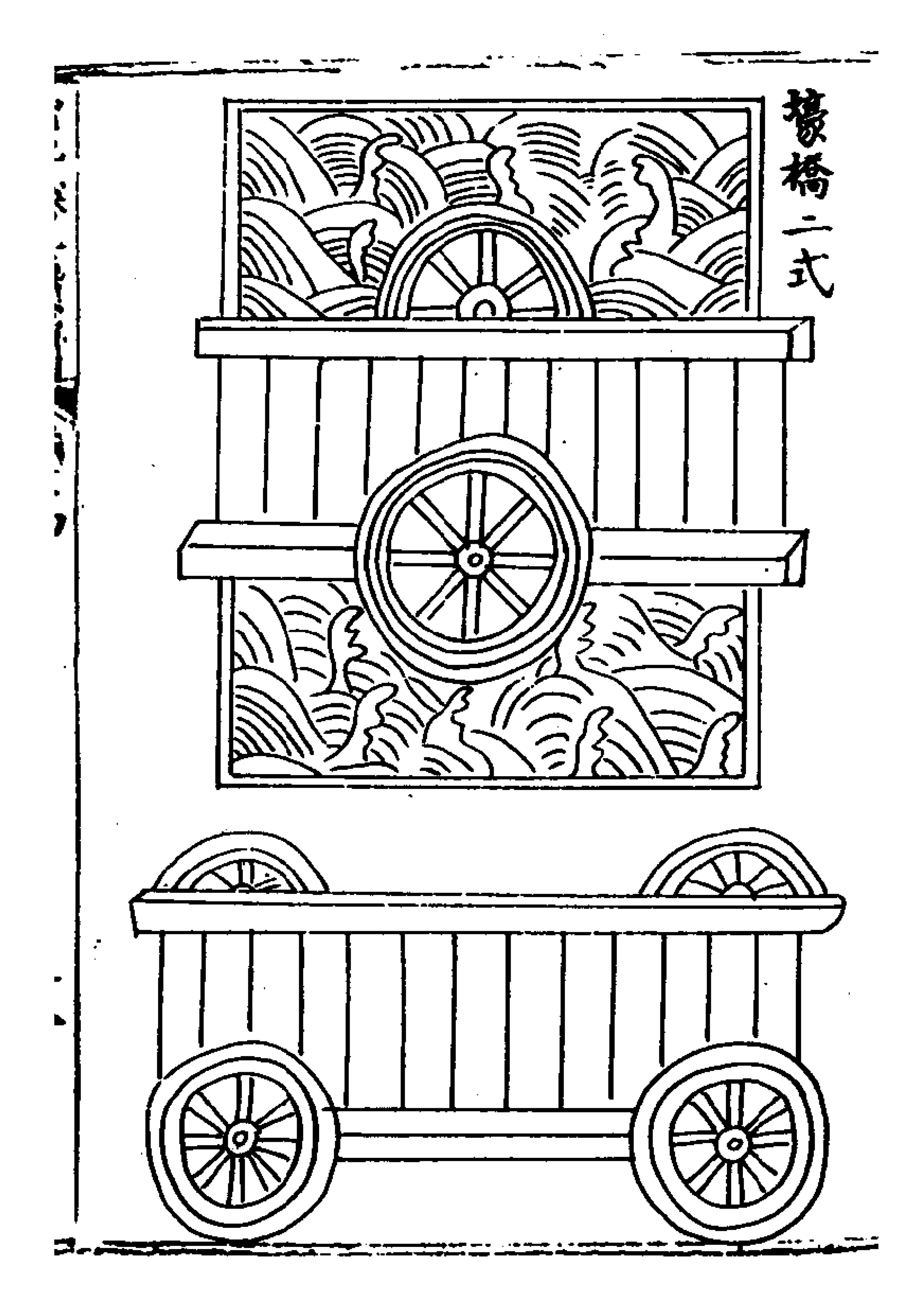
入城中鑿地道以迎吾以甕听審知所自吾則旁穿

暗道層級漸高直至敵人所鑿地道上為穴穴口施

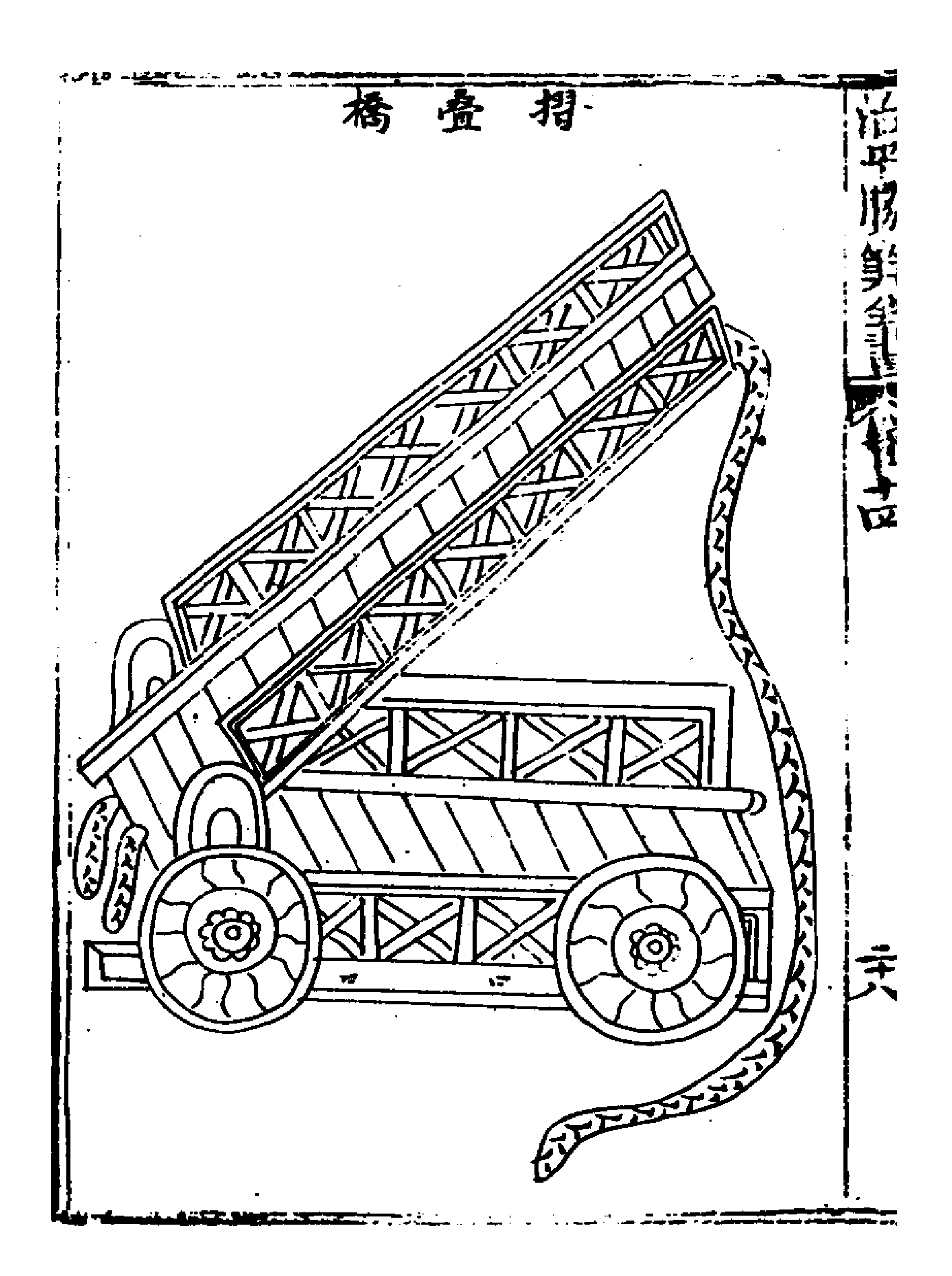
注盤以透槽生藥以灌之皮漫凡吾輩地道敵人作翻身窟注藥害吾吾則張皮漫繫繩於排沙注端以盛之則無害


行砲車


行砲車

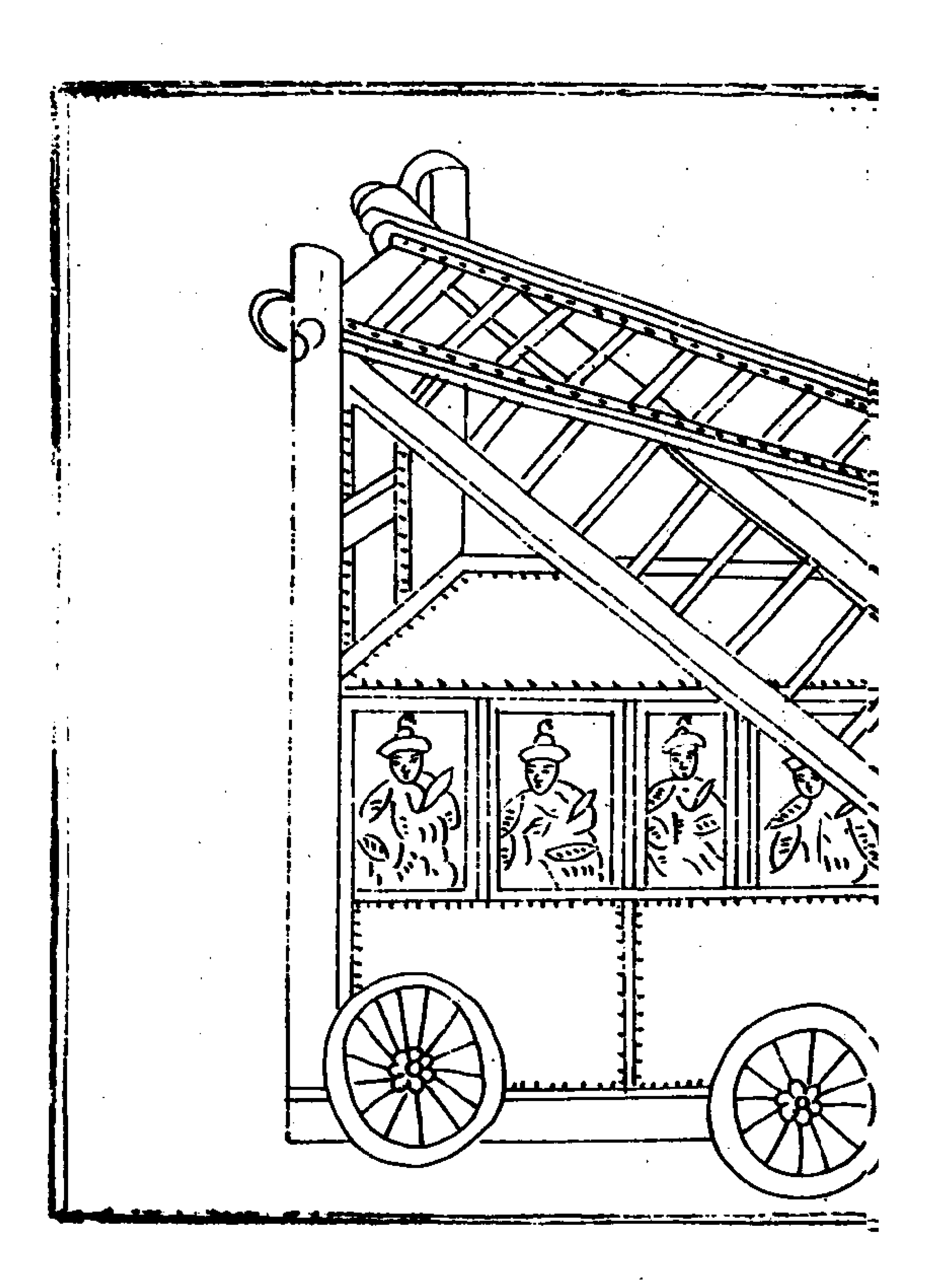

壕橋二式

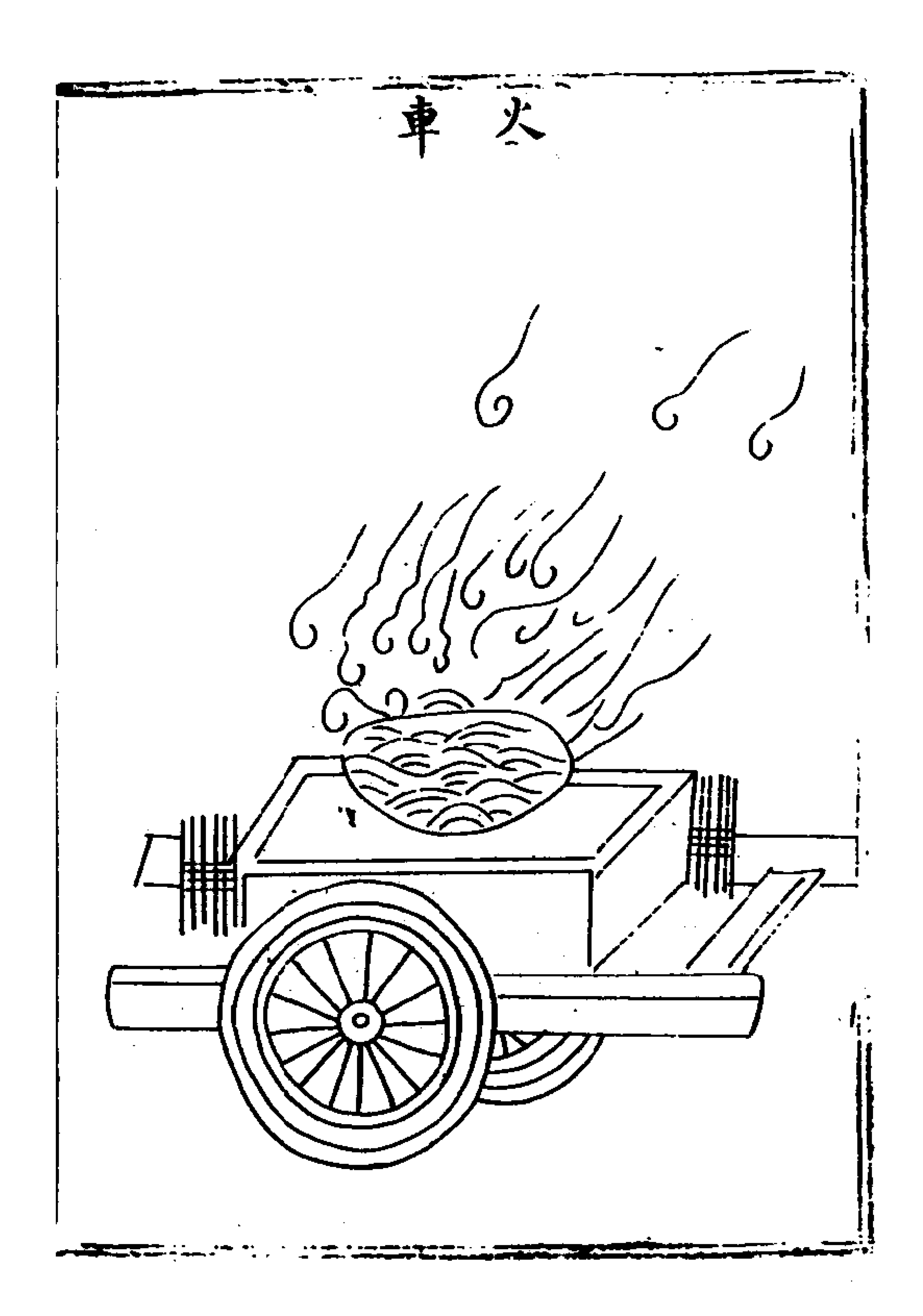
摺疊橋

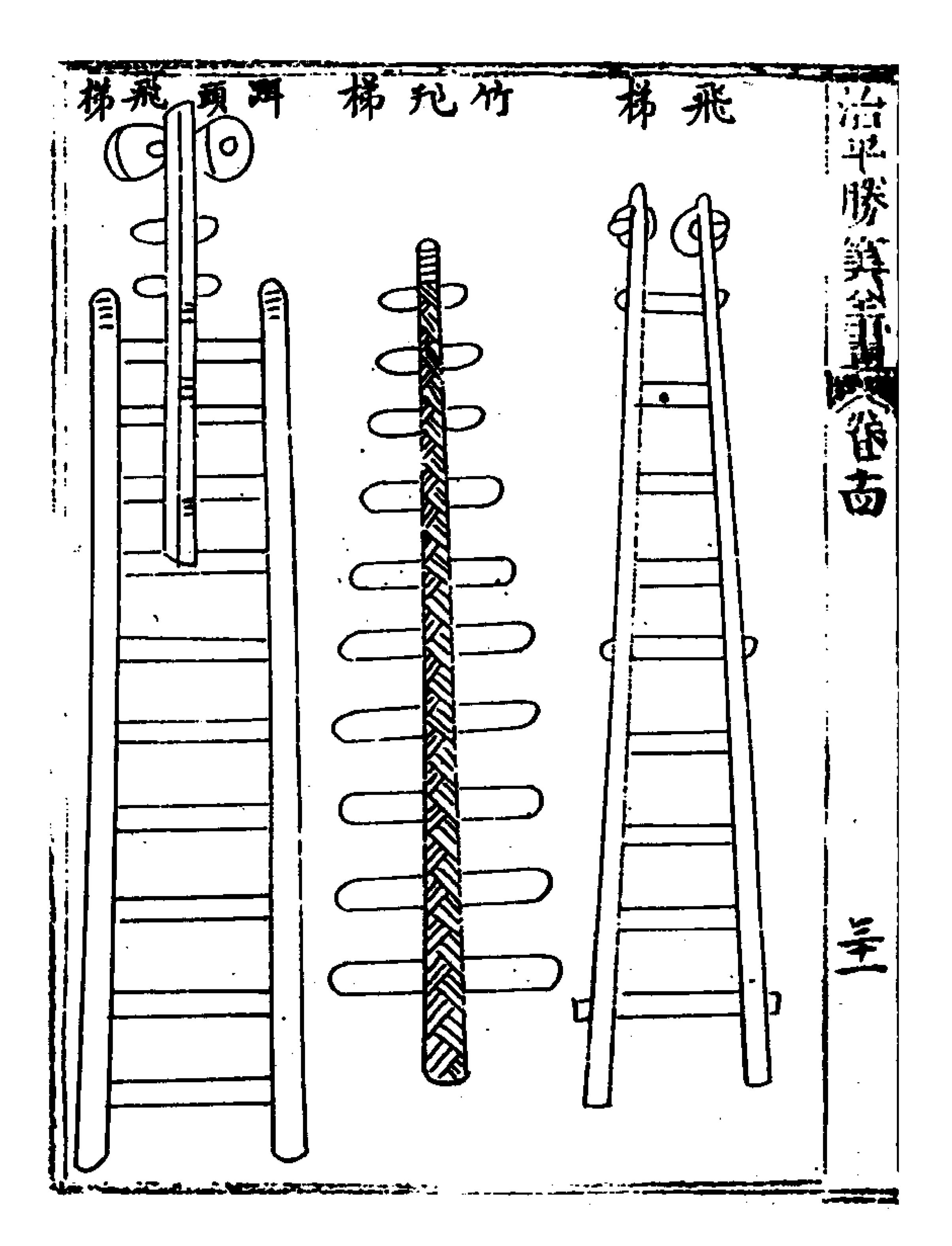


右壕橋長短以壕為準下施兩巨輪首貫兩小輪推進入壕輪陷則橋平可渡若壕濶則用摺疊橋其制以兩壕相接中施轉用法亦如之

雲梯




火車



飛梯
竹飛梯
躡頭飛梯

右雲梯以大木為床下施六輪上立二梯各長二丈餘中施轉軸車四面以生牛皮為屏蔽內以人推進及城則起飛梯於雲梯之上以窺城中故曰雲梯

飛梯長二三丈首貫双輪士卒欲蚁附則以輪着城推進

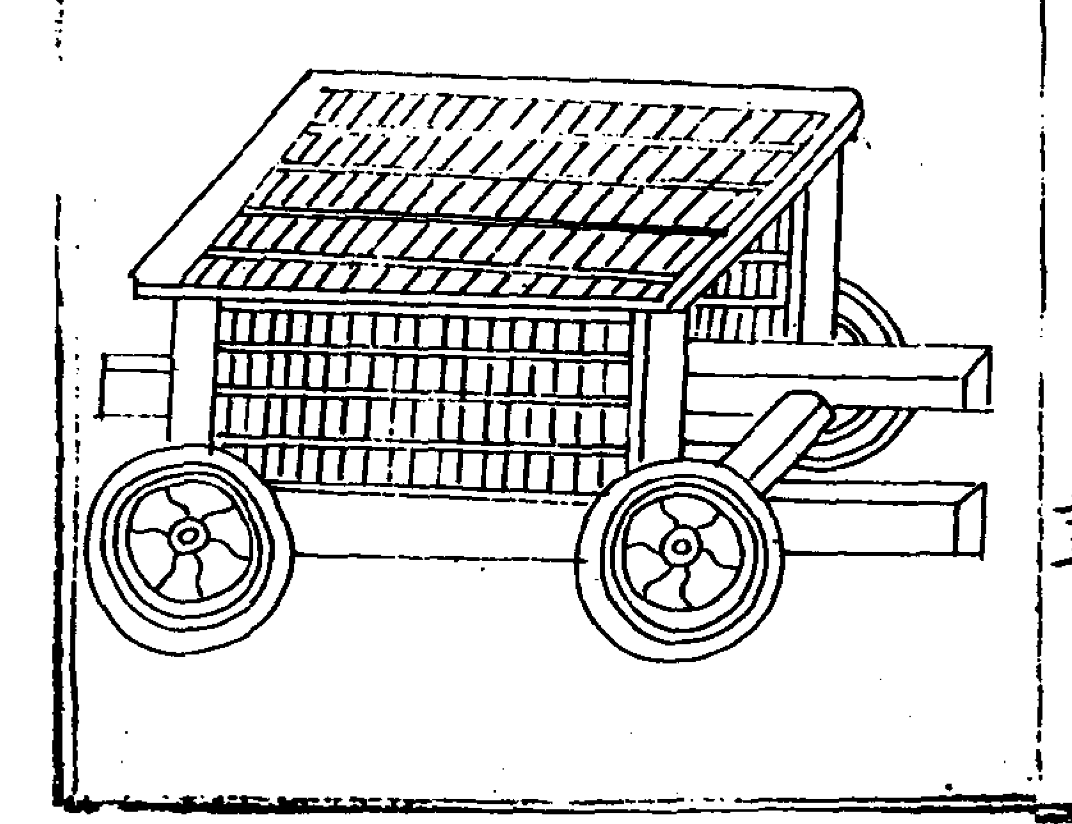
竹飛梯用独竿大竹兩旁施脚澁以登

躡頭飛梯如飛梯之制為兩層用独竿竹中施轉軸以起梯竿首貫雙輪取其附城易起

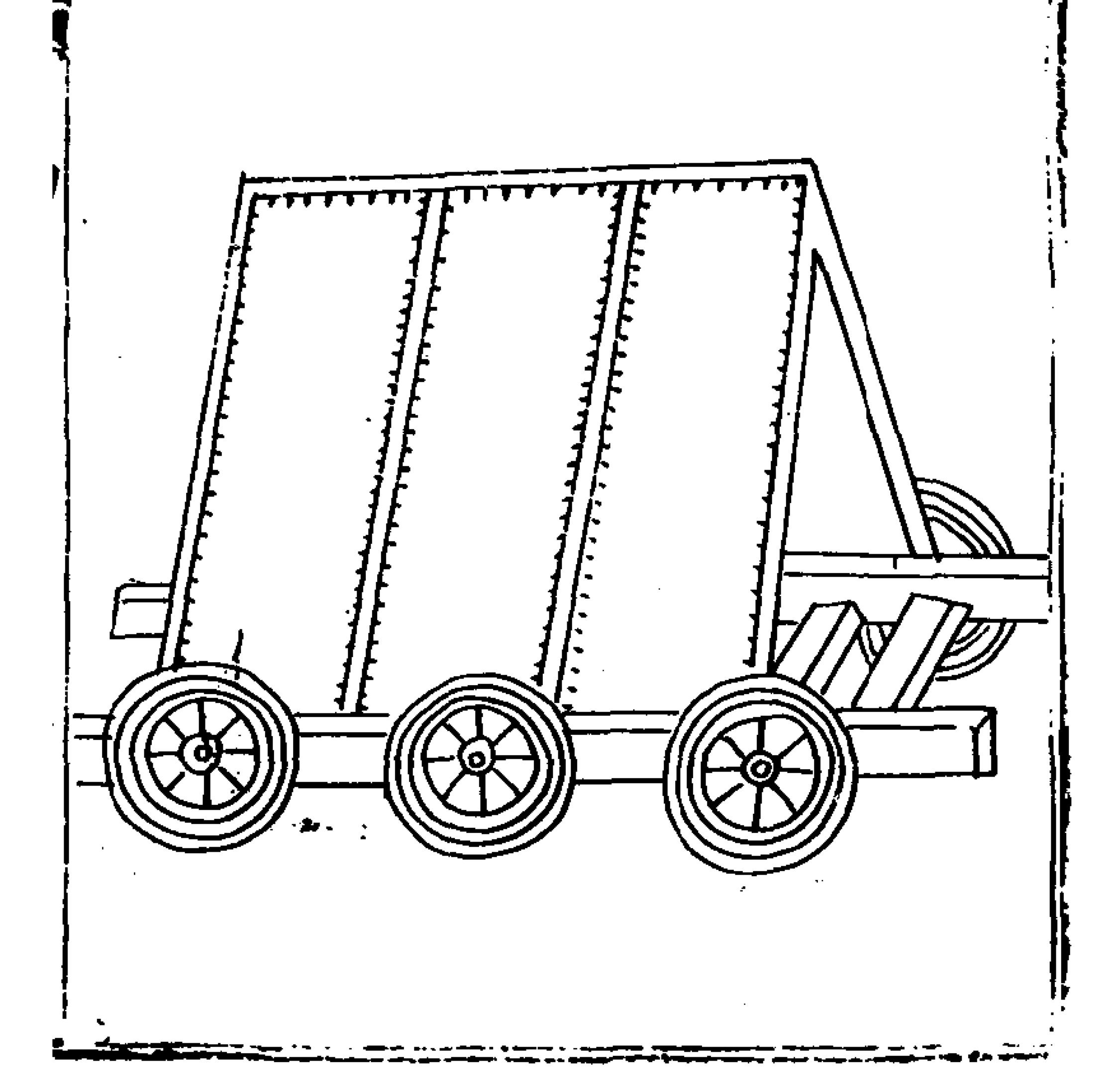
右火車以兩輪車中為炉上施鑊滿盈以油熾炭大爨令沸仍四面積薪推至城門樓下縱火而去敵必下水沃之油得水其焰益高則樓可燔也

轒轀車

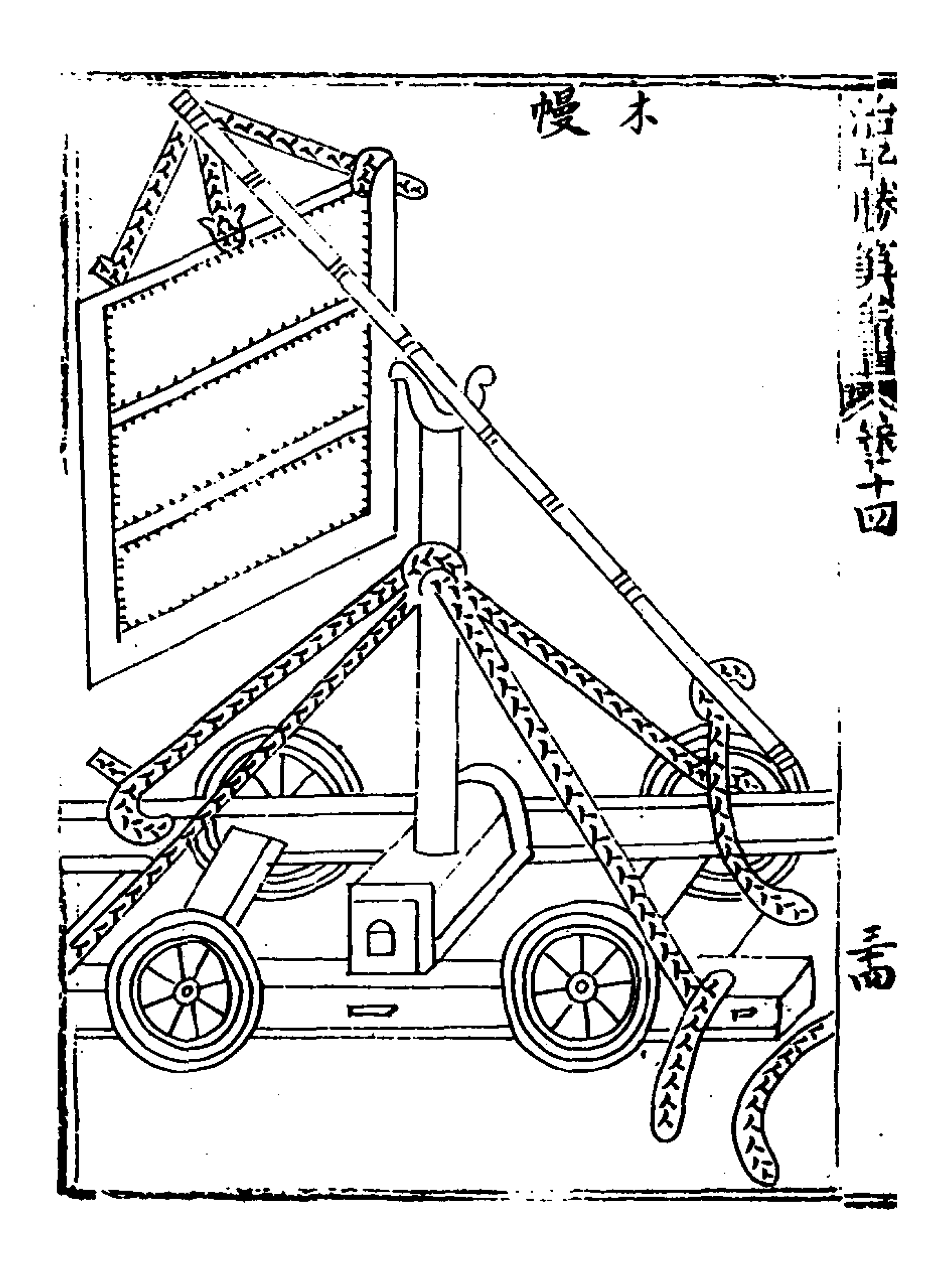
木牛車



尖頭木驢



木幔



右轒轀車下虛上蓋如斧兩其車梯勿使枕板中可容人著地推車載以四車輪其蓋以四繩為脊以生牛皮革蒙之中可蔽十人填隍推之直抵城下攻撅

尖頭木驢形如轒轀車惟增二輪上橫大木為脊長一丈五尺上銳下方高八尺以生牛革裹之內蔽十人推逼城下以攻城作地道

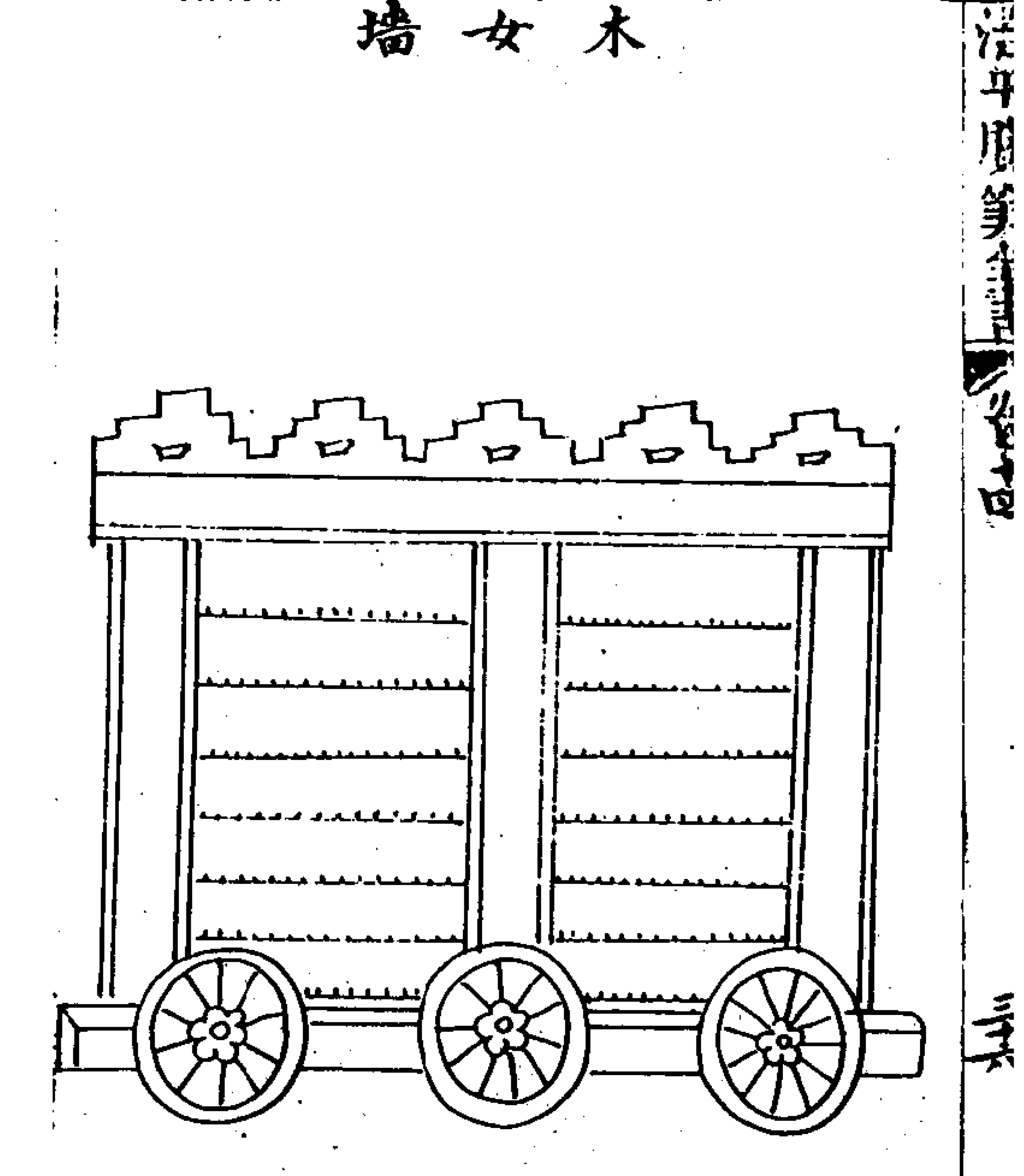
木牛以堅木厚板為平屋裹以生牛革下施回輪自內推進以蔽攻城亦木驢之類也

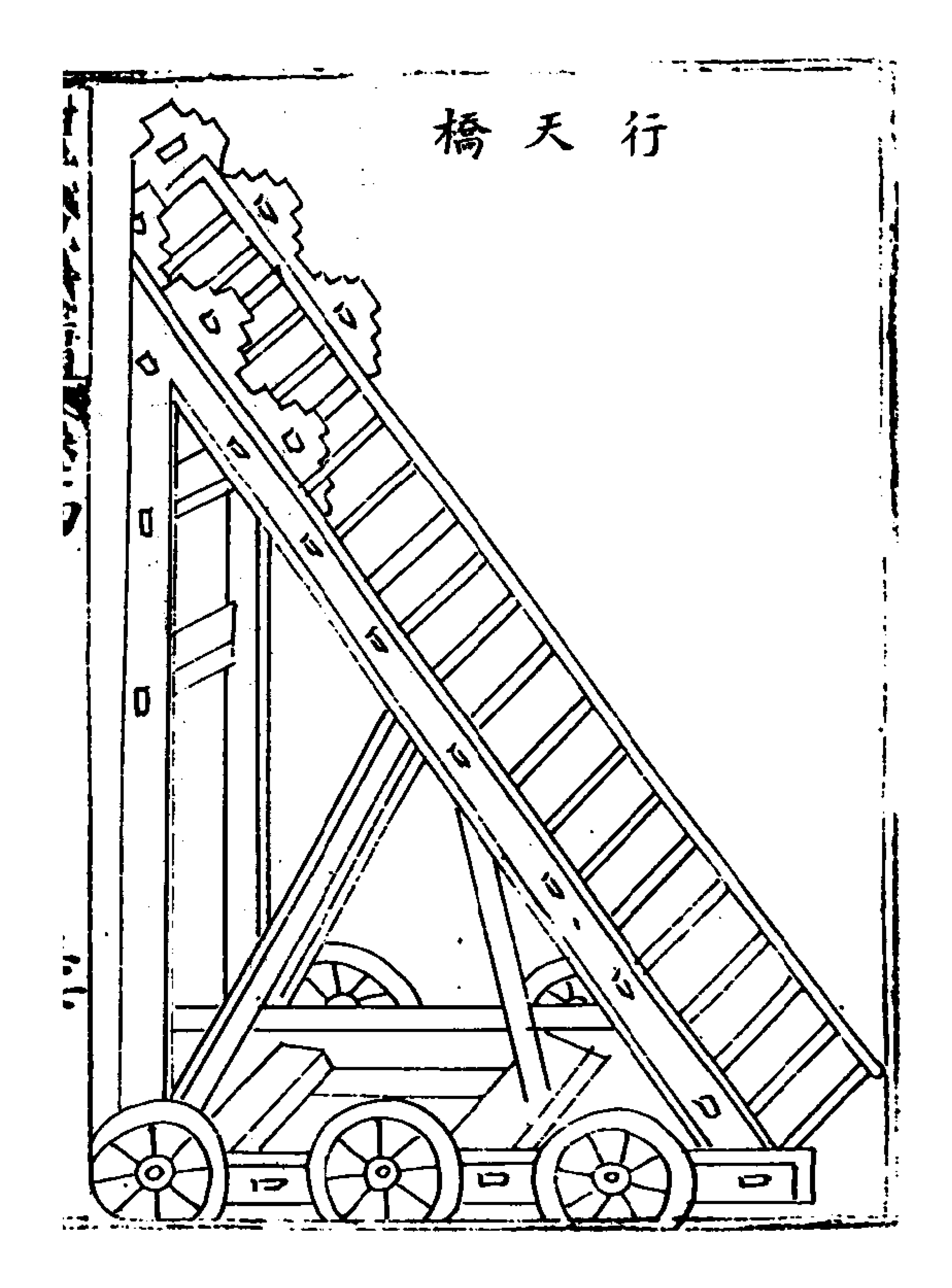
木幔以板為之制如屏車裹以生牛革上施桔槔載以四車輪低昂以繩挽之凡攻城欲蚁附者則以幔禦當面矢石也



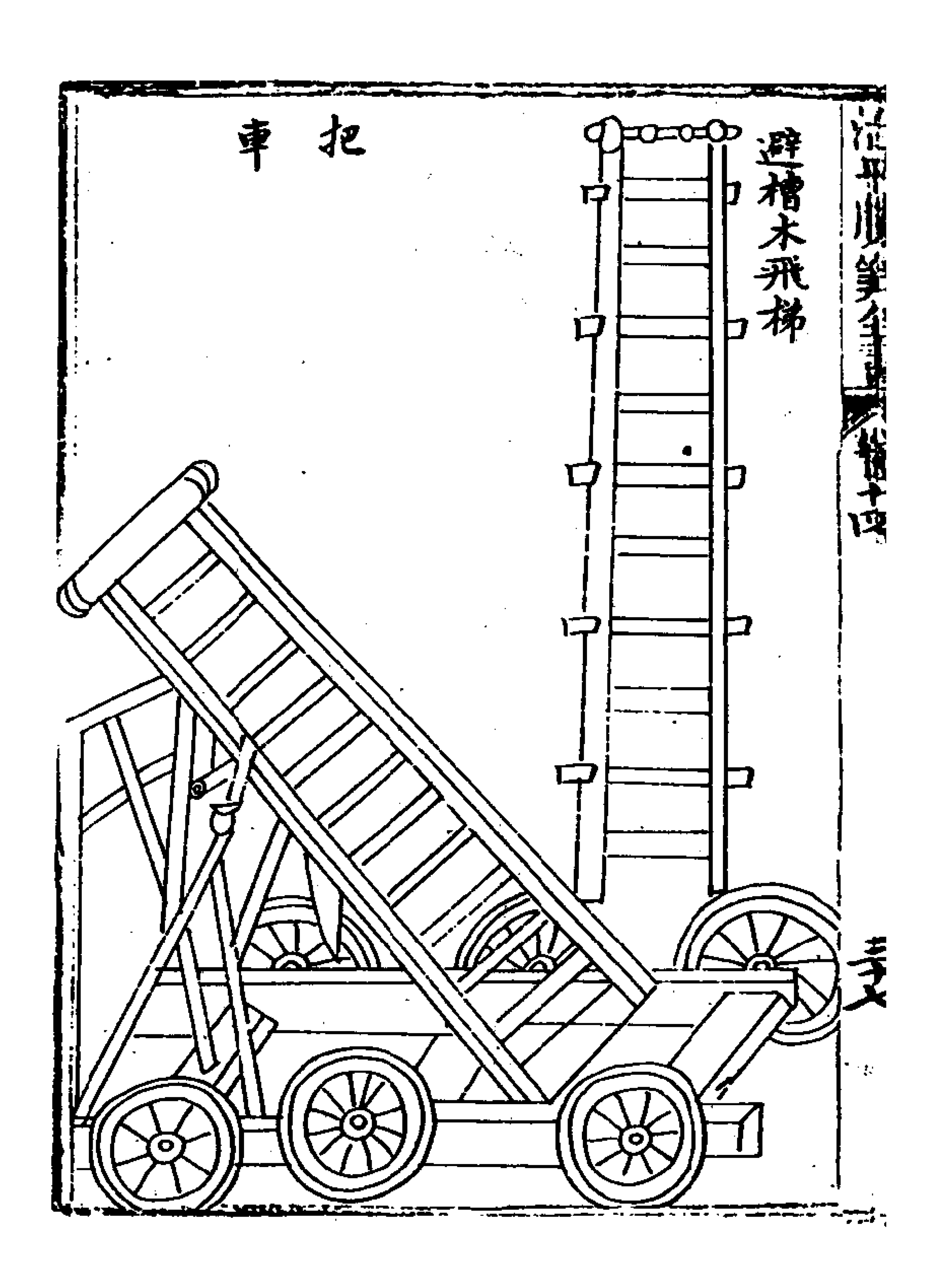
行女墻

木女墻

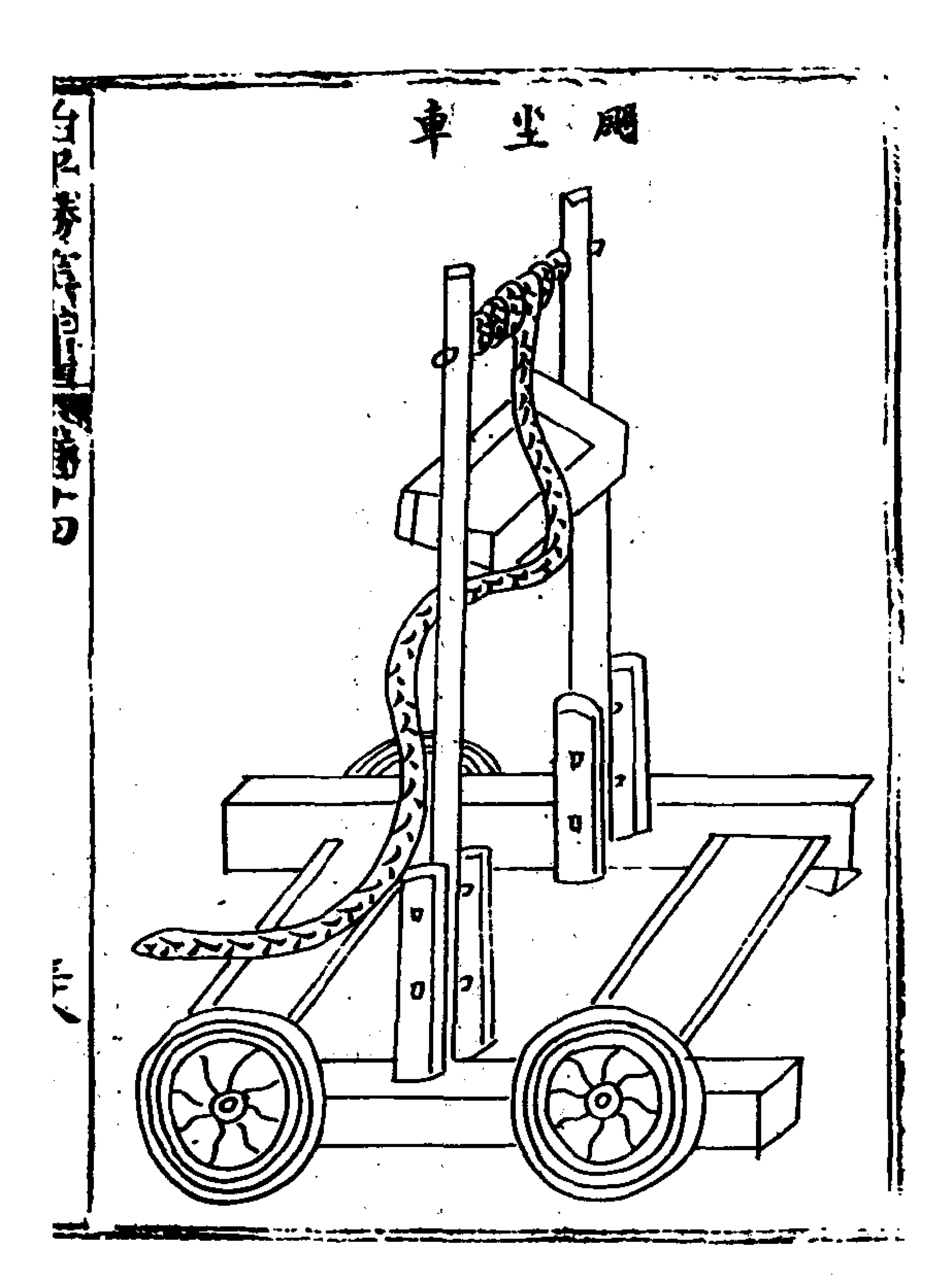




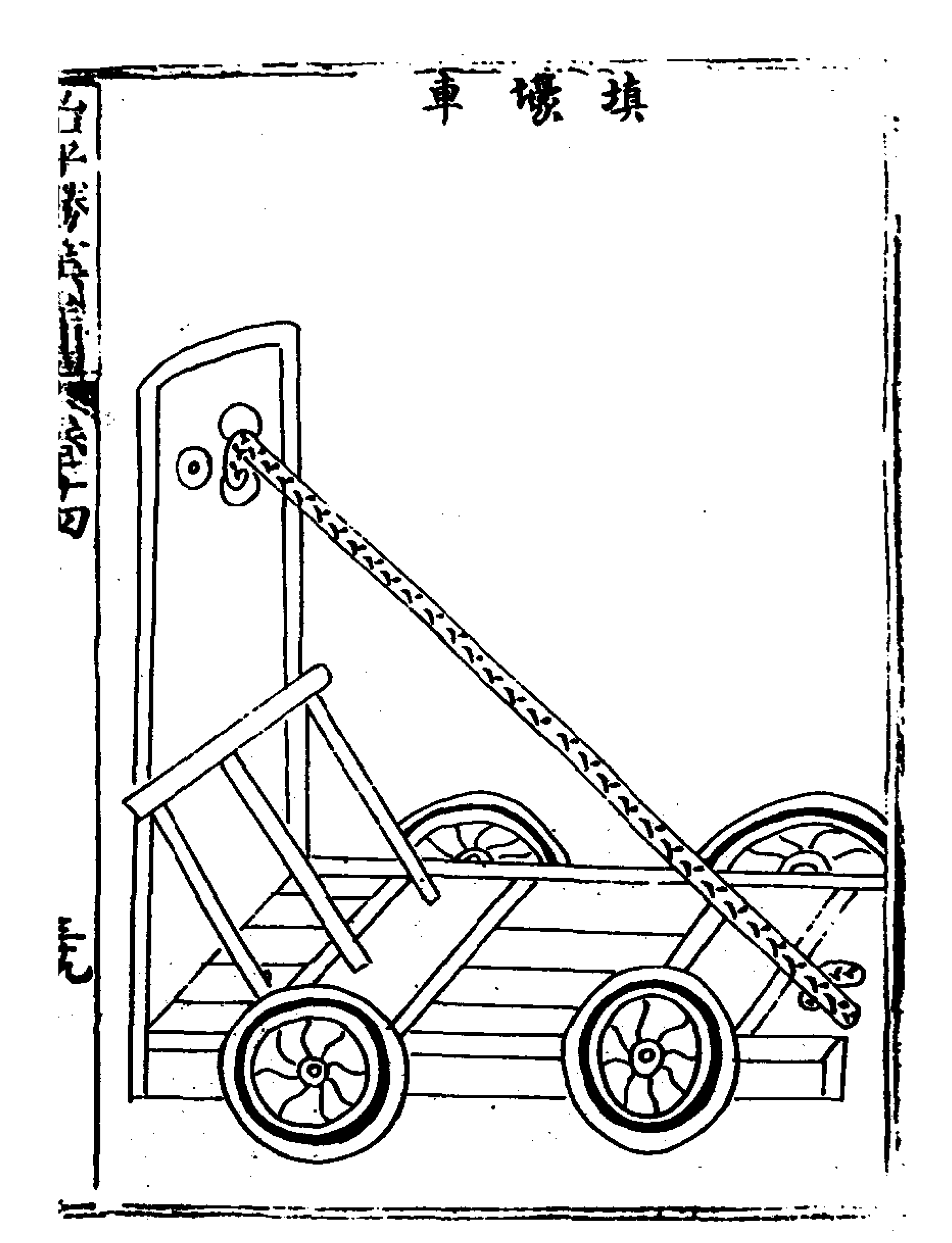
行天橋

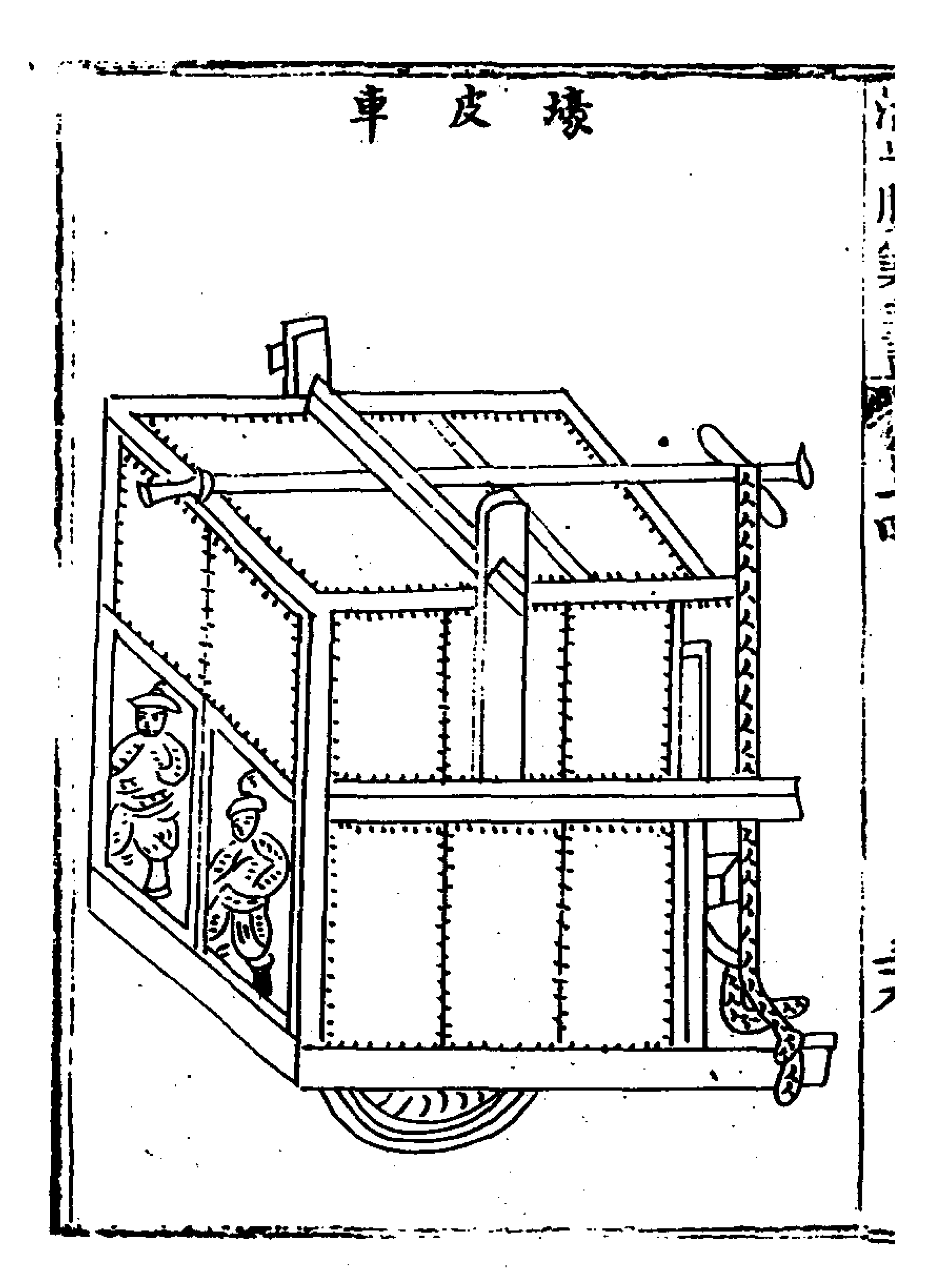

把車
避槽木飛梯

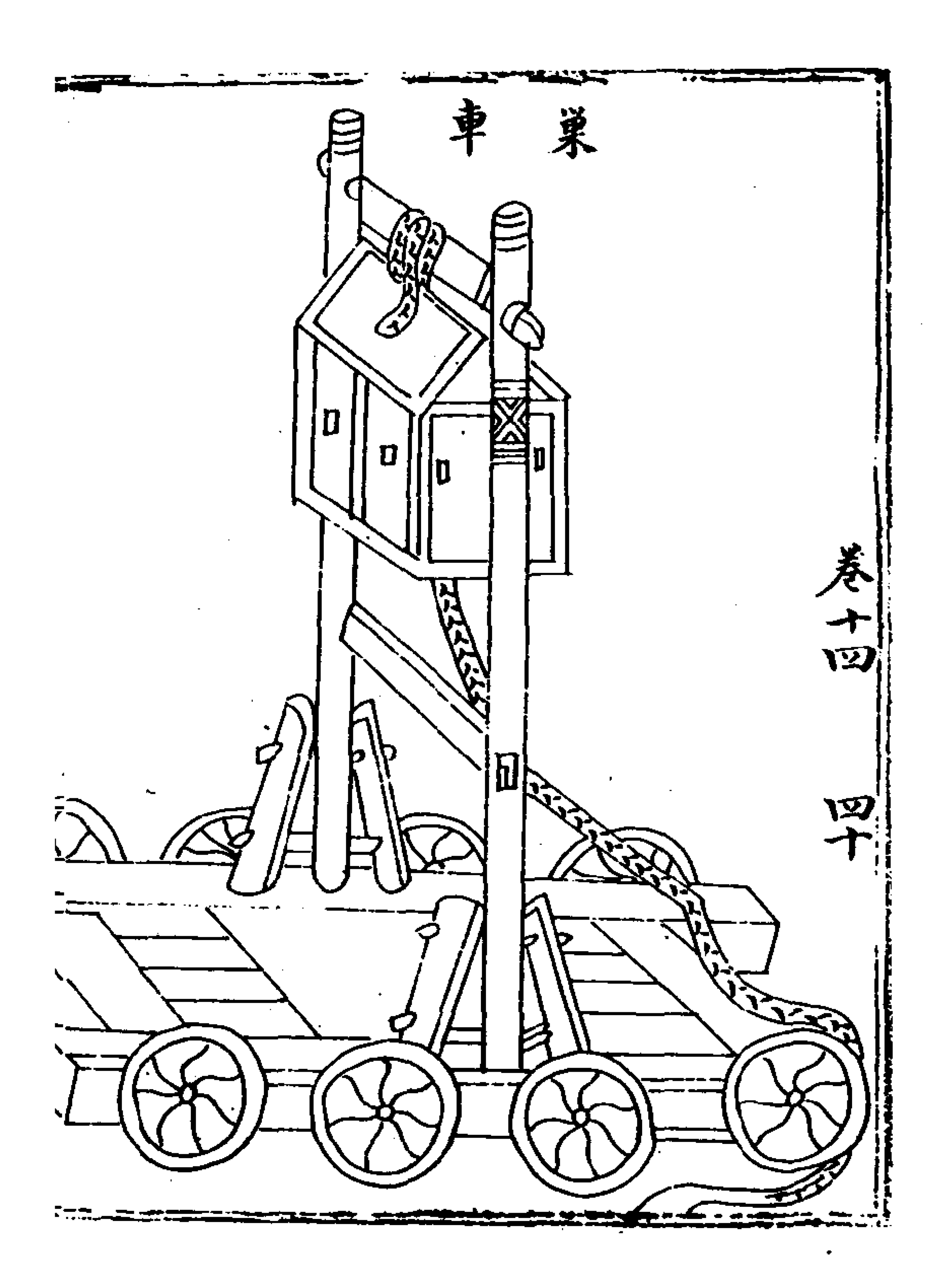
颺坐車



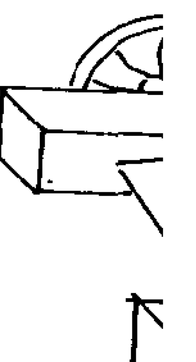
飈塵車約行烟置三二十具如飛梯板屋之類或即以此梯板屋移用之亦可其車與烟同縱待烟氣盛即推車逼城飈其尘灰守城人不能存立必回避聚向一边則攻城人可緣上用石火最佳


填壕車

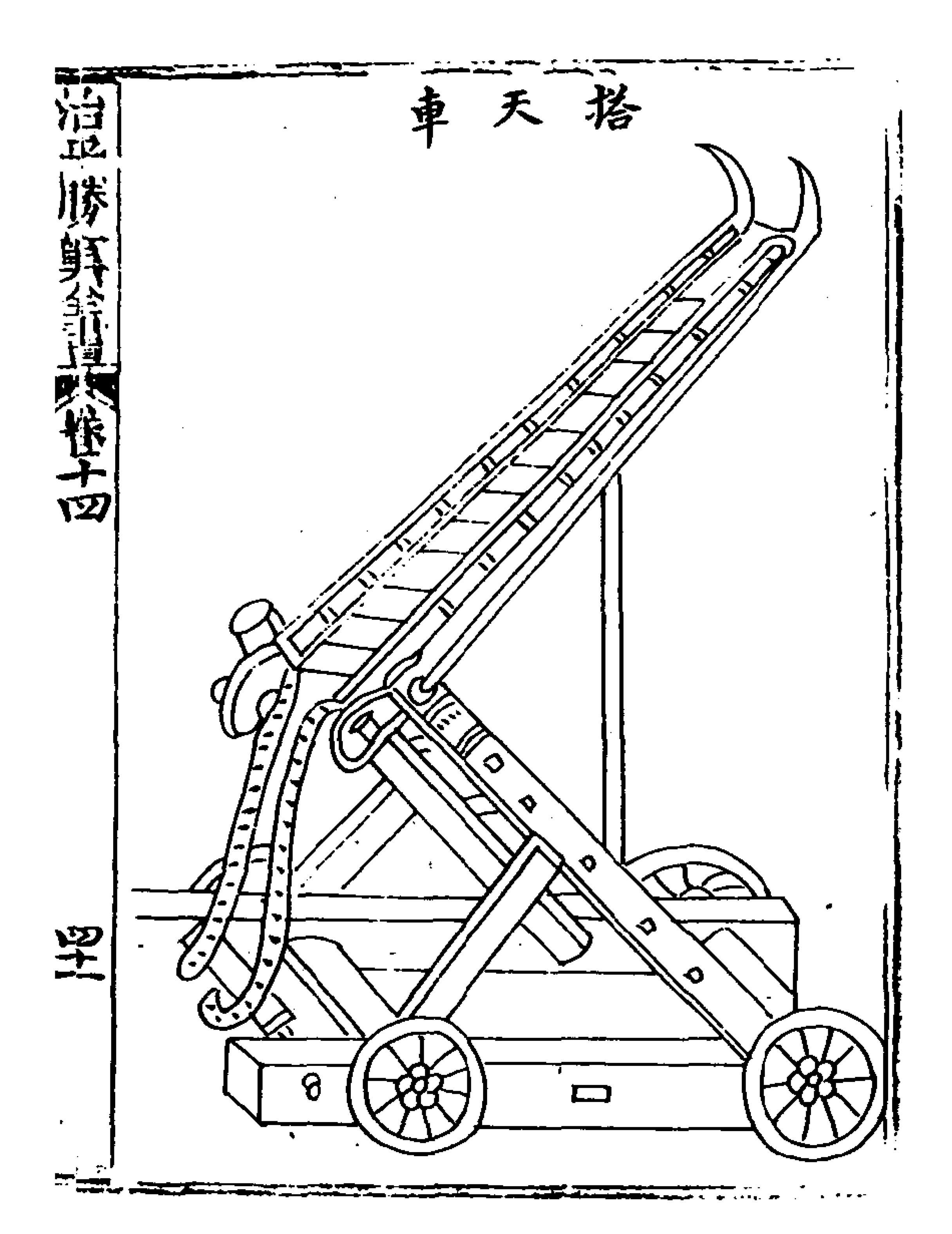

壕皮車

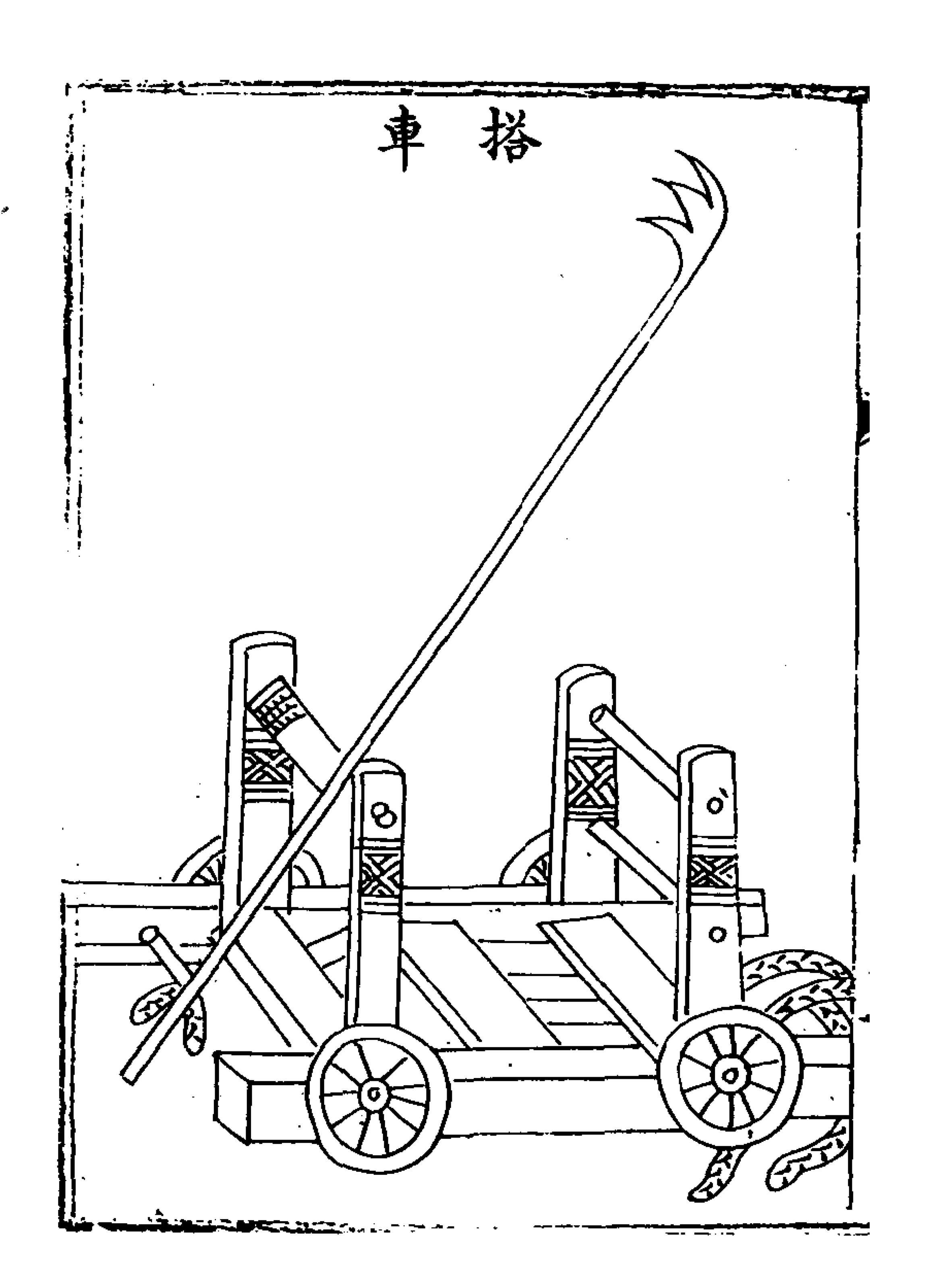


巢車

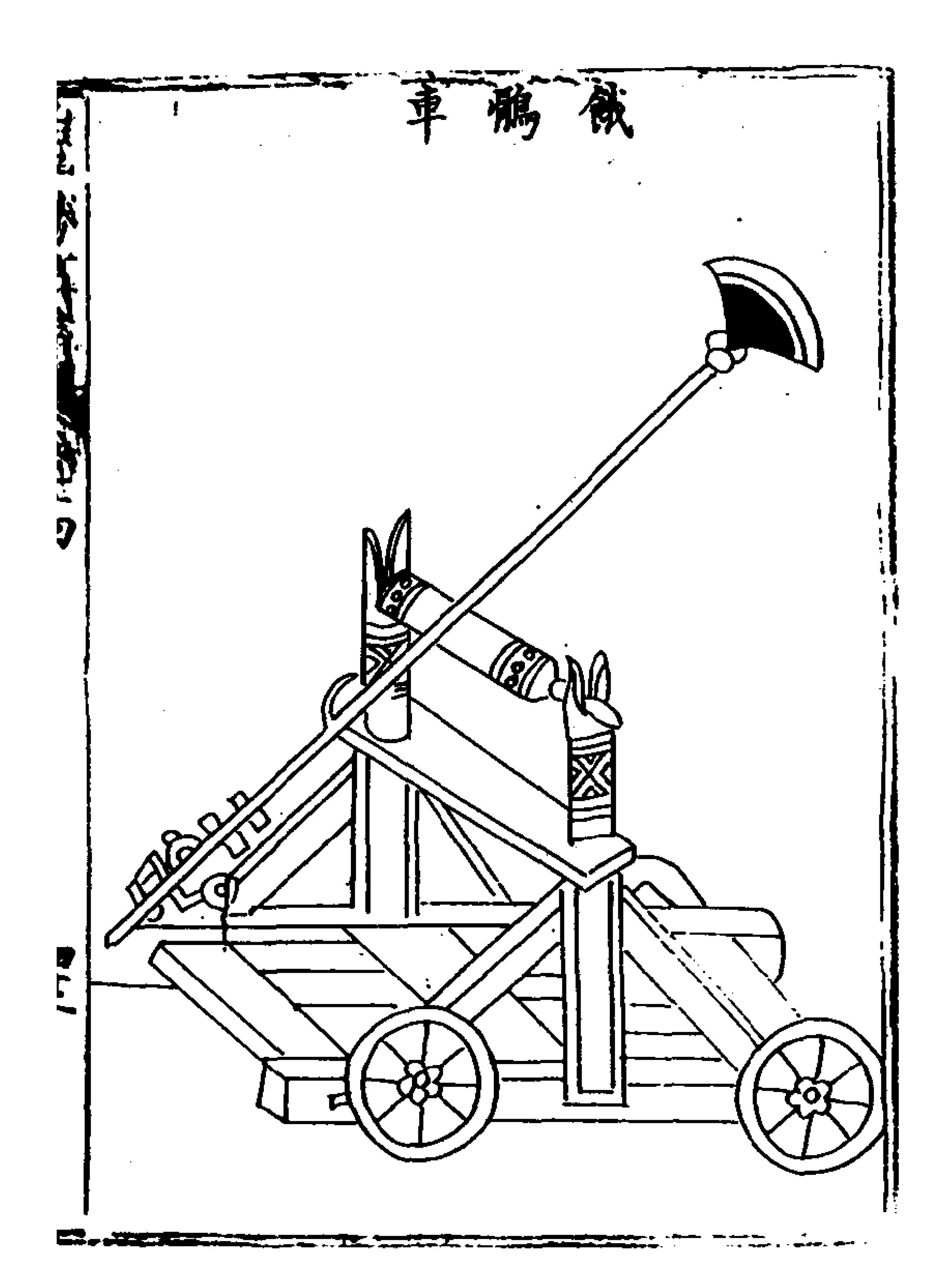


右巢車其制以八輪車當中建高竿首施轆轤以繩挽板屋上竿首其屋方四尺高五尺以生牛皮冡之以禦矢石竿之高下以城為準使人藏屋中下窺城中事遠望如鳥巢故謂之巢車

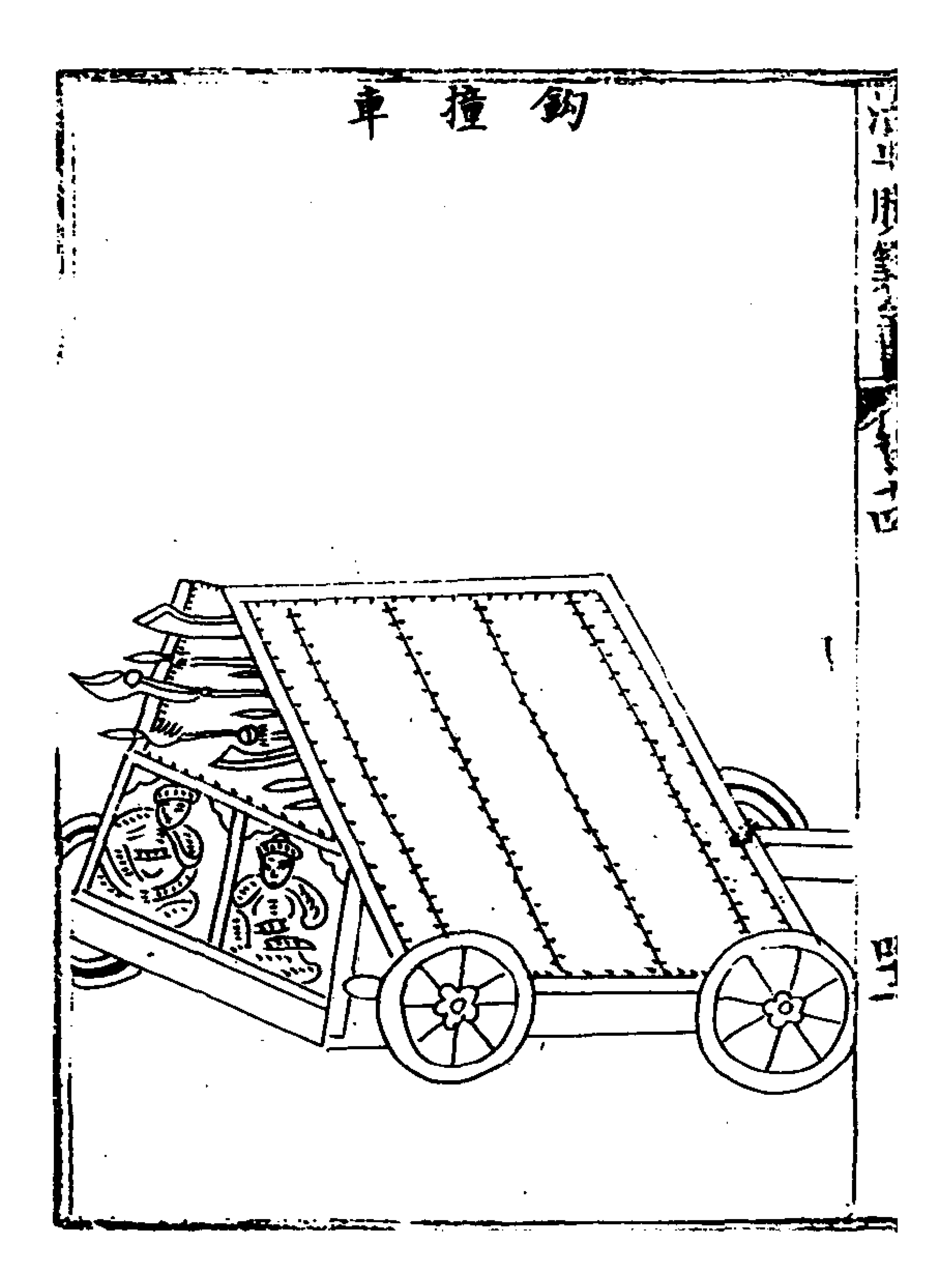

搭天車

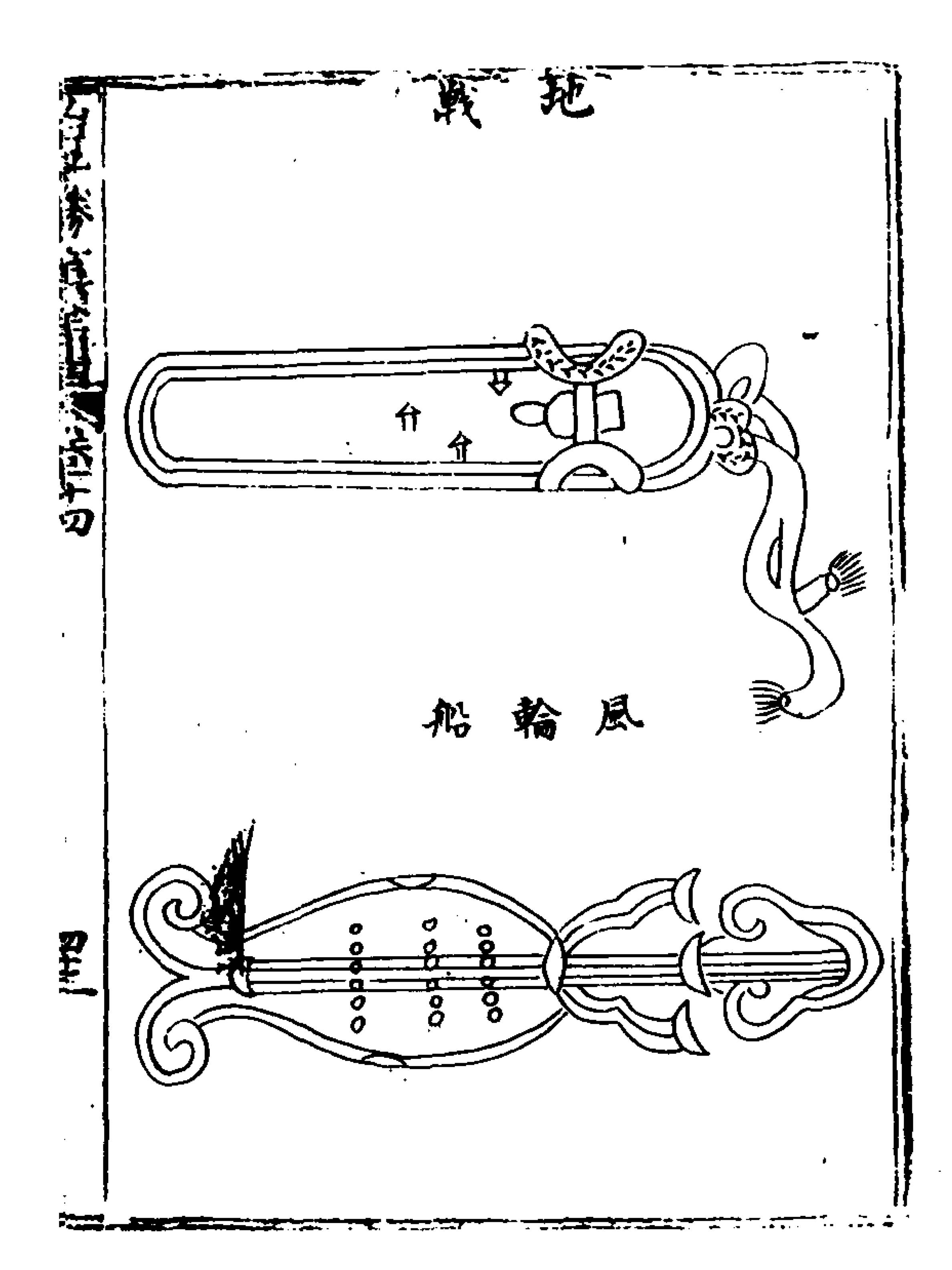


搭車

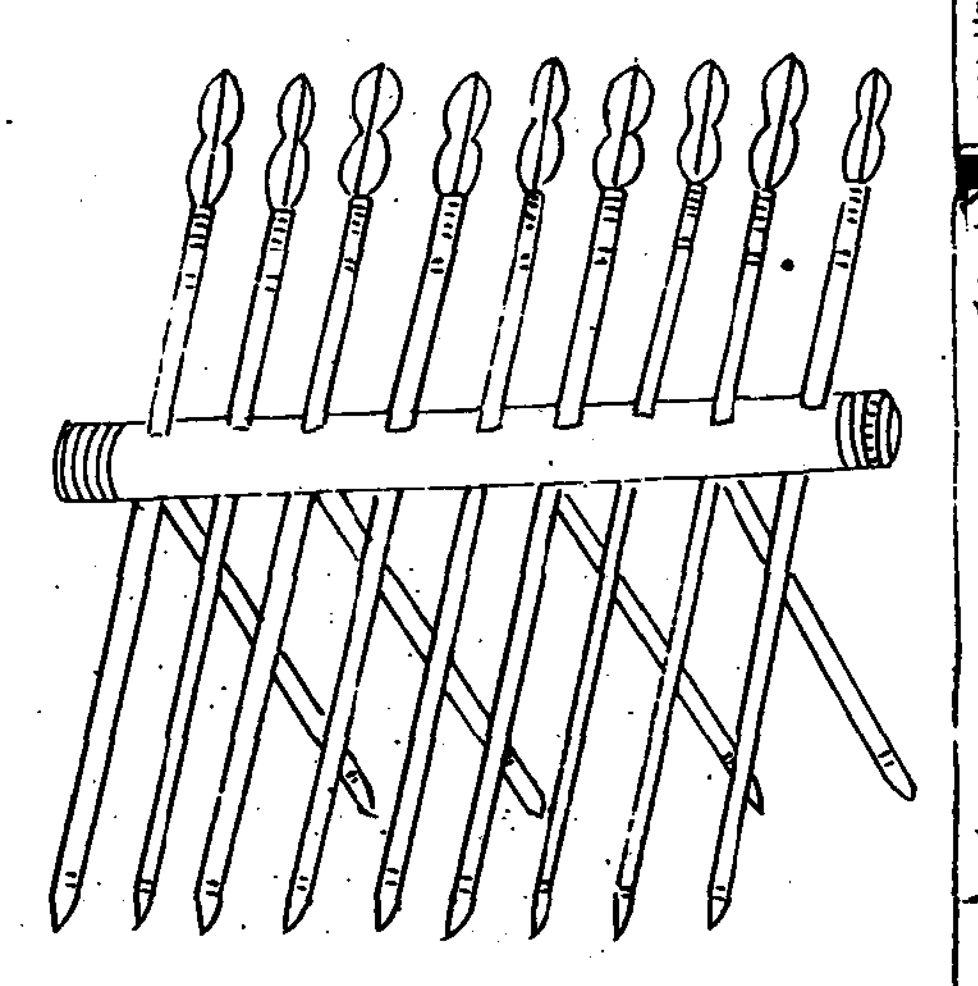

鐵鶻車

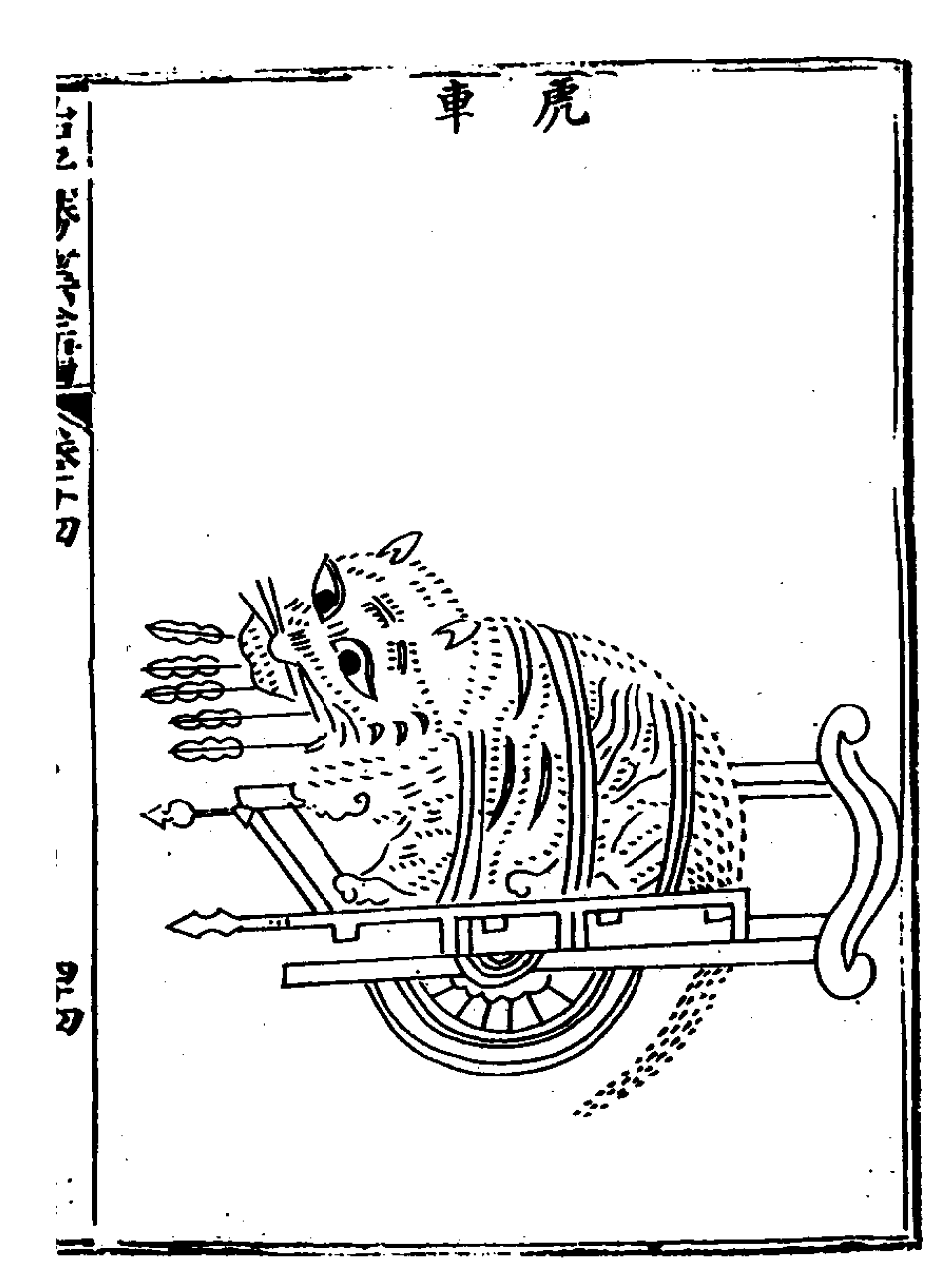
鉤撞車



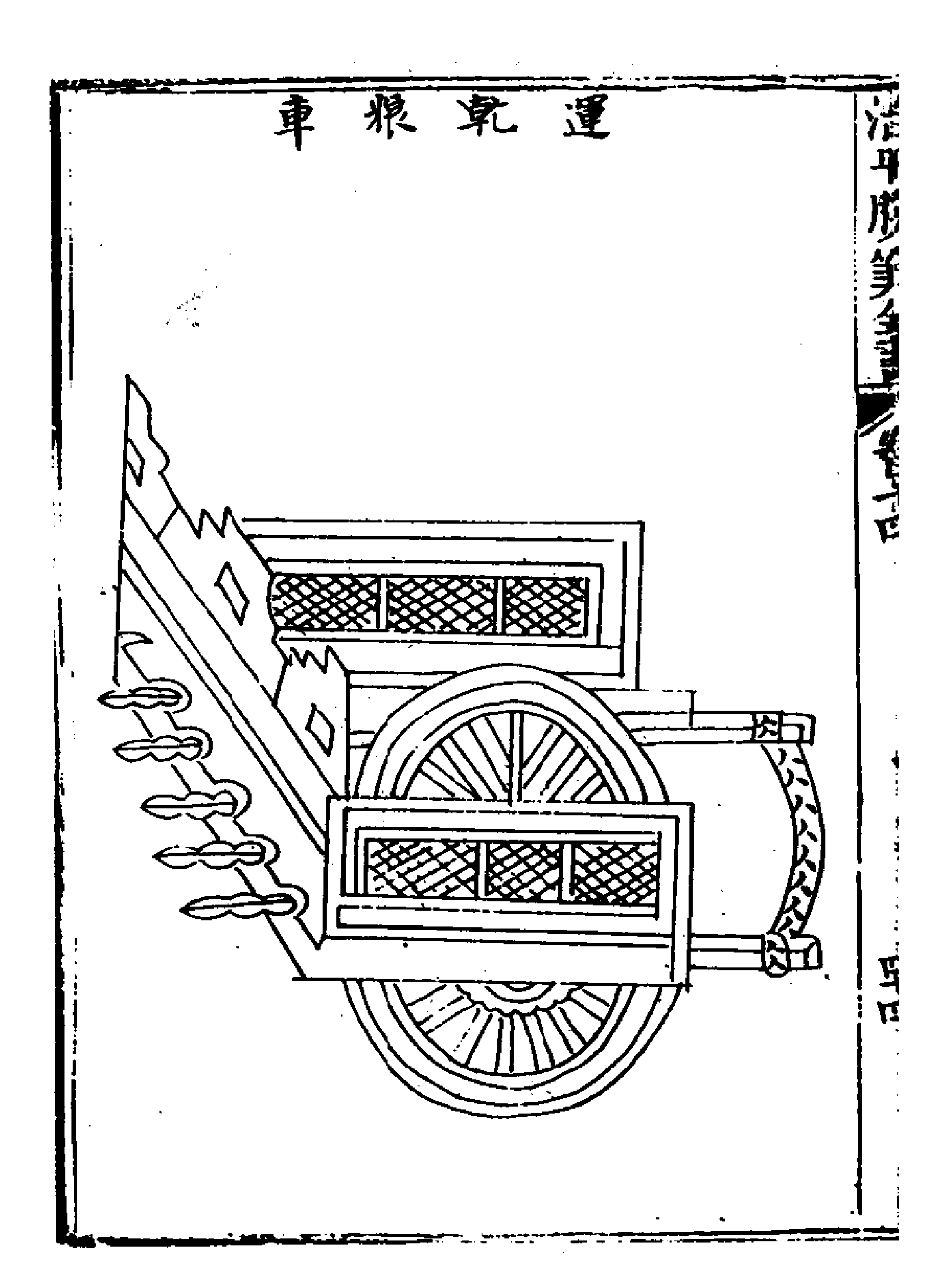

扡戰
風輪船

拒馬鎗

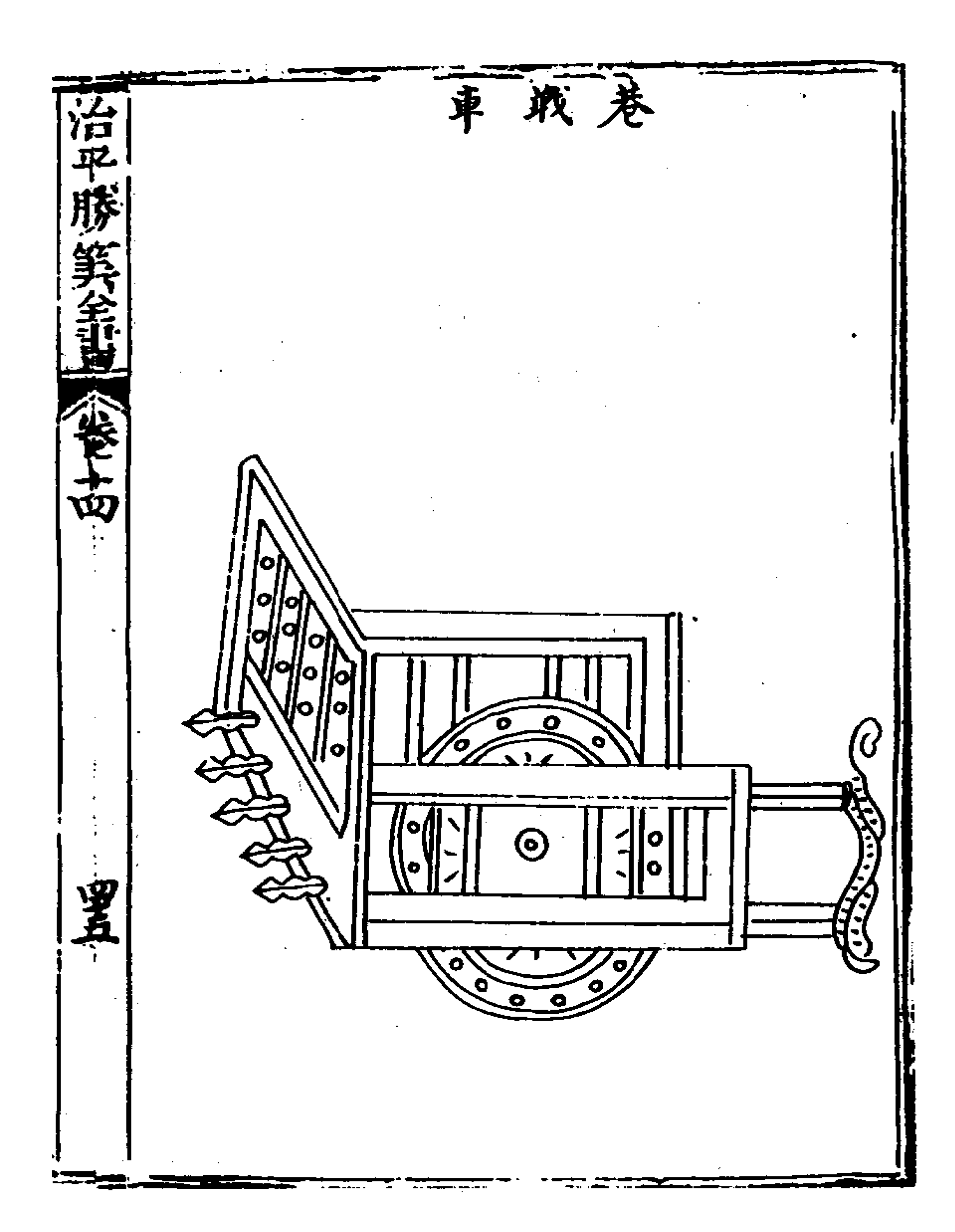




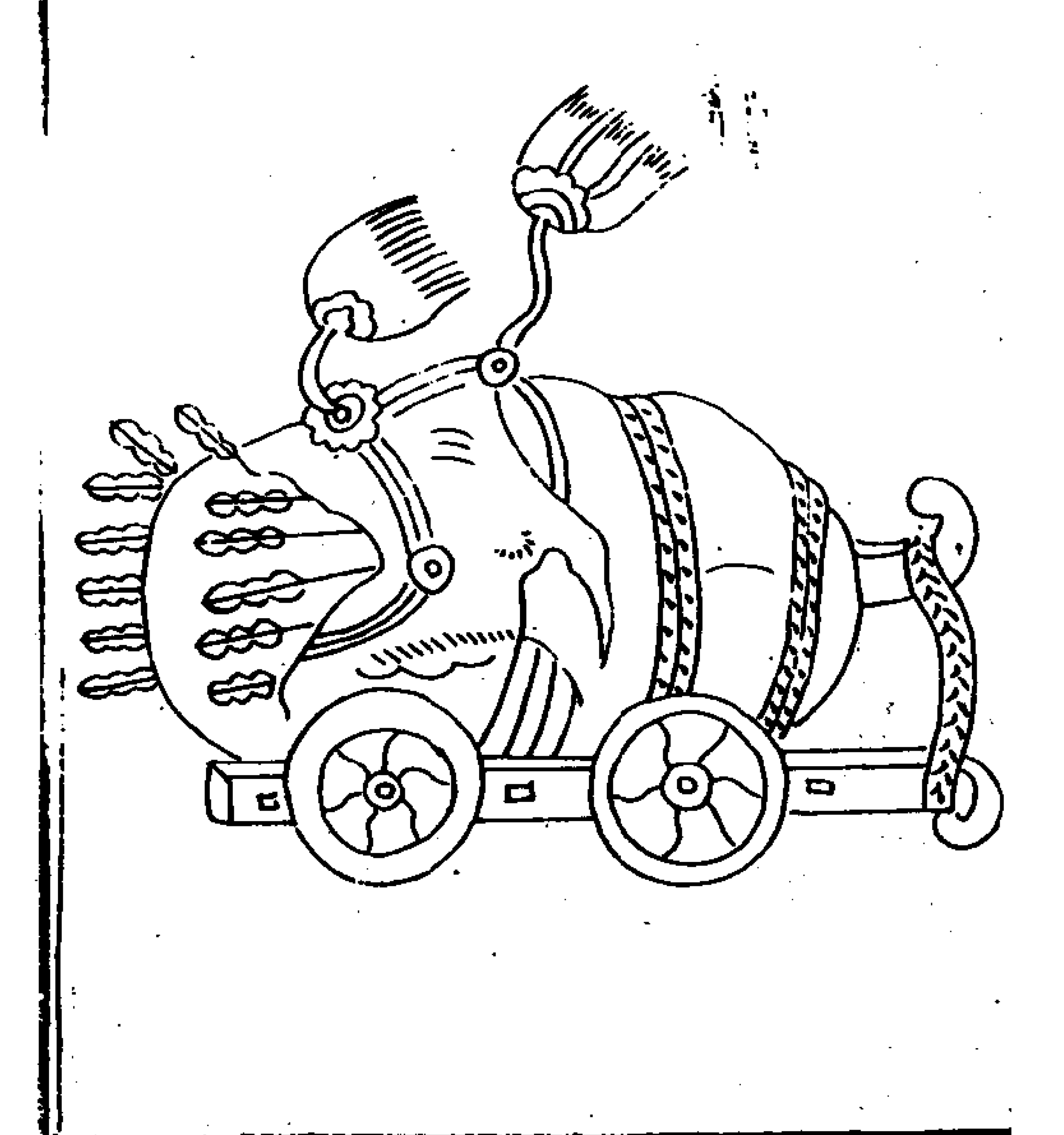
虎車

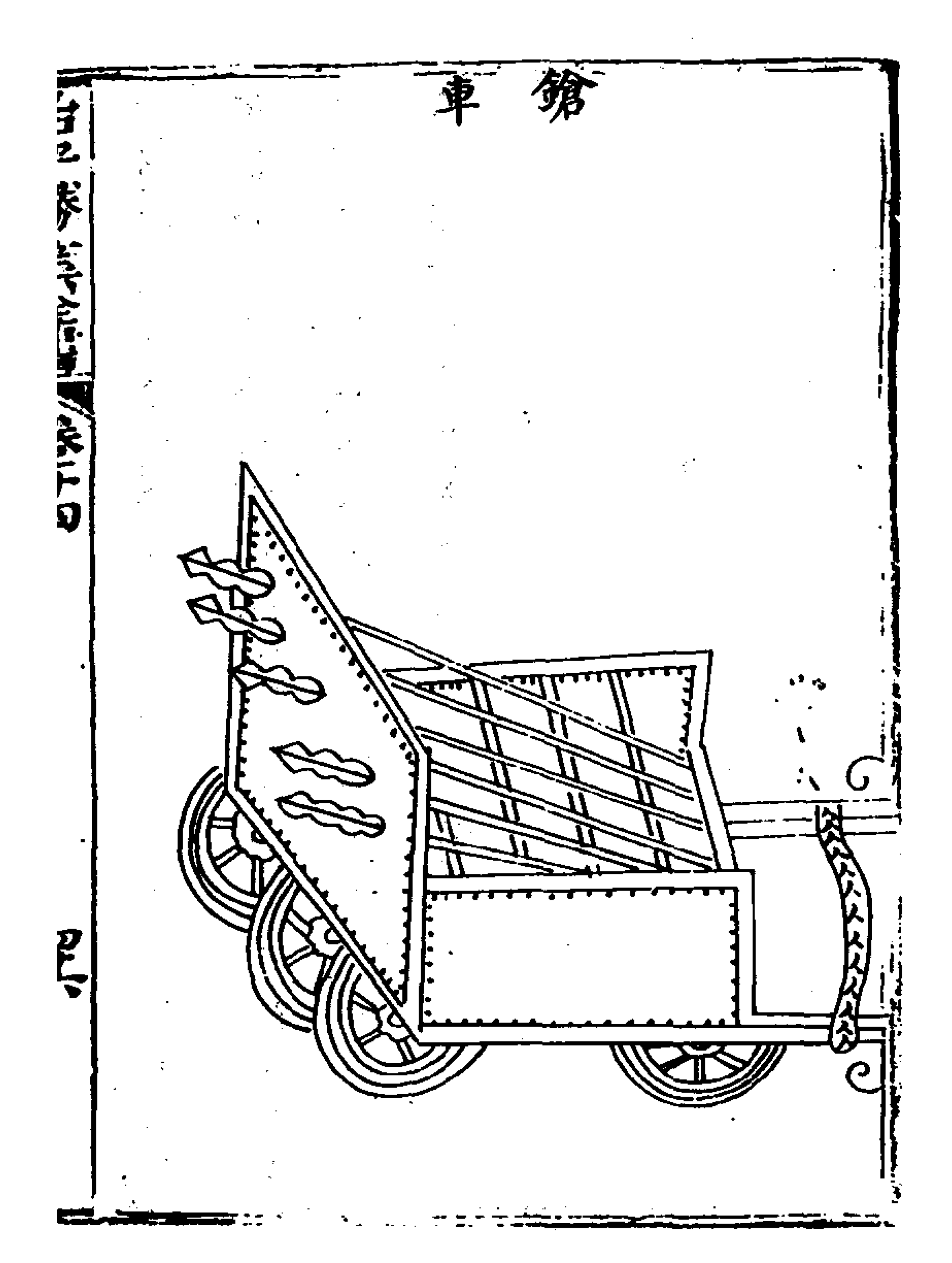


運乾糧車


卷戰車

象車





鎗車

治平勝筭全書卷十四終